PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: W[illegible] Siltronic Corporation

ADDRESS: PO Box 83180
Portland, OR 97283-0810

FACILITY: 7200 NW Front Ave.

LOCATION: Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2002	3	1	TO	2002	3	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	966,000	1,124,000	gal/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	45.8	57.3	lbs/day	--	5.8	7.0	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	339	753		--	15	30				
TSS	SAMPLE MEASUREMENT	21.3	30.7	lbs/day	--	2.7	3.8	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	520	1532		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			lbs/day	--			mg/l		Batch	
	PERMIT REQUIREMENT	0.11	0.27		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	< 0.01	< 0.01	lbs/day	--	<0.01	<0.01	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	57.8	68.3	lbs/day	--	7.3	8.3	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	393	804		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.1	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	--	--		--	23	61				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years)

Wacker Siltronic Corp. by:

Thomas C. McCue

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	02	4	9
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chrome batches are no longer being treated on site.

ER 012 JC

EPA Form 3320-1 (Rev. 8-88) Previous editions may be used. (REPLACES EPA FORM T-45 WHICH MAY NOT BE USED.)

870702

SCOEPA00023960

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Wacker Siltronic Corporation
ADDRESS PO Box 83180
Portland, OR 97283-0810
FACILITY 7200 NW Front Ave.
LOCATION Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2002	3	1	TO	2002	3	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-65)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	lbs/day	--	--	0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and maximum imprisonment of between 6 months and 5 years)

Wacker Siltronic Corp. by:
Thomas McCue
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 02 | MO 4 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00023961

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Wacker Siltronic Corporation
ADDRESS PO Box 83180
Portland, OR 97283-0810
FACILITY 7200 NW Front Ave.
LOCATION Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(1-16) 101128 PERMIT NUMBER

(17-19) Outfall 002 DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2002	3	1	TO	2002	3	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	QUALITY OR CONCENTRATION (46-53) AVERAGE	QUALITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX (62-65)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	103,000	164,000	gal/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.1	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	2.0	5.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and up to maximum imprisonment of between 6 months and 5 years)

Wacker Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 02 | MO 4 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00023962

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Wacker Siltronic Corporation
ADDRESS PO Box 83180
Portland, OR 97283-0810
FACILITY 7200 NW Front Ave.
LOCATION Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 003

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2002	3	1	TO	2002	3	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(1 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	QUALITY OR CONCENTRATION (46-53) AVERAGE	QUALITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	1,069,000	1,209,000	gal/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	68.9	°F		1/7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	>6.0	7.1	<9.0			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years)

Wacker Siltronic Corp. by:
Thomas A. McCue
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 02 | MO 4 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

L:\ENVIRONMENTAL\NPDES\NPDESPER.DOC

SCOEPA00023963

WACKER
Wacker Siltronic Corporation

March 13, 2002 ER:010 MWB

Mr. Rob Ede
Hahn and Associates, Inc.
434 NW 6th Avenue, Suite 203
Portland, OR 97209-3600

RE: Supplemental QC data for Catch Basin Sampling

Dear Rob:

Enclosed please find the supplemental QC data for the catch basin sampling that you recently requested. If you have any questions, please contact me at (503) 219-7832.

Sincerely,

WACKER SILTRONIC CORPORATION

Myron Burr, P.E.
Environmental Engineer

Enclosure:
(1) Supplemental QC data for catch basin sampling

C: Cathryn Young, WSC: w/o attachments

Wacker Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676
Phone (503) 243-2020
TDD (503) 241-7519

A QS-9000 and ISO 14001 Certified Corporation

Analytical Results for
Wacker Siltronic
Project Name: None Provided
Project Number: 01-71-72
Report Date: March 5, 2002
Job Number: A10621BI

Analytical Results Prepared By:
Coffey Laboratories, Inc.
12423 NE Whitaker Way
Portland, OR 97230
(503) 254-1794
(503) 254-1452 FAX

SCOEPA00023965

Table of Contents

Section I . . . . . Analytical Narrative
Section II . . . . . Analytical Results
Page 1-20
Section III . . . . . Calibration Blank & Verification Data
Page 1-40
Section IV . . . . . Job Specific Quality Control Data
Page 1-9
Appendix A . . . . . Chain of Custody

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00023966

Analytical Narrative

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00023967

Report Date: March 5, 2002
Job Number: A10621BI
PO Number: 4500075102
Project No: 01-71-72
Project Name: None Provided

Tom Rothschild
Wacker Siltronic
7200 NW Front Avenue
Portland, OR 97210-3676

Analytical Narrative

The sample was received on 06/21/01 by Coffey Laboratories, Inc. (CLI) Sample Reception personnel under strict chain of custody protocol. The following information was provided at the time of sample reception:

Laboratory Sample ID	Field Identification	Matrix	Collection Date	Collection Time
A10621BI-1	01-71a Catch Basin	Soil	06/19/01	1400
A10621BI-2	01-71b Catch Basin	Soil	06/19/01	1400
A10621BI-3	CLI Composite 1-2	Soil	06/19/01	COMP
A10621BI-4	01-72 Blank field sample	Water	06/19/01	1400

The recommended holding time for each batch of analyses was in accordance with the data quality objectives as specified in the CLI Quality Assurance Plan unless otherwise noted.

Acceptable precision and accuracy were achieved for all analyses associated with this work order as demonstrated by the recoveries of the quality control samples analyzed concurrently with each batch.

The data submitted in this report is for the sole and exclusive use of the above-named client. All samples associated with the work order will be retained a maximum of 15 days from the report date or until the maximum holding time expires. All results pertain only to samples submitted.

Thank you for allowing Coffey Laboratories to be of service to you. If you have questions or need further assistance, please do not hesitate to call our Customer Services Department.

Sincerely,

Rhonda Kroody

Technical Services

TS /atc

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00023968

Analytical Results

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00023969

Analytical Data

Wacker Siltronic

Job Number: A10621BI
Page Number: 1 of 20

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

EPA Category: Conventional Parameters

Parameter	Method	Detection Limit	Analytical Result	Units
Total Organic Carbon	EPA 415.1	0.8	13000. E	mg/Kg
Total Cyanide	EPA 9010	0.25	0.4	mg/Kg

E means Estimated Concentration

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00023970

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

EPA Category: Metals

Parameter	Method	Detection Limit	Analytical Result	Units
Antimony	EPA 6020	0.5	ND	mg/Kg
Arsenic	EPA 6020	0.25	1.1	mg/Kg
Barium	EPA 6020	0.05	46.	mg/Kg
Cadmium	EPA 6020	0.1	0.55	mg/Kg
Chromium	EPA 6020	0.5	13.	mg/Kg
Cobalt	EPA 6020	0.05	4.4	mg/Kg
Copper	EPA 6020	0.25	32.	mg/Kg
Iron	EPA 6010	25	10000.	mg/Kg
Lead	EPA 6020	0.1	16.	mg/Kg
Magnesium	EPA 6010	2.5	1400.	mg/Kg
Manganese	EPA 6010	5.0	110.	mg/Kg
Mercury	EPA 7471	0.01	0.02	mg/Kg
Nickel	EPA 6020	0.25	8.3	mg/Kg
Selenium	EPA 6020	0.5	ND	mg/Kg
Silver	EPA 6020	0.1	1.3	mg/Kg
Thallium	EPA 6020	0.05	ND	mg/Kg
Titanium	EPA 6020	10.	430.	mg/Kg
Vanadium	EPA 6020	0.05	25.	mg/Kg
Zinc	EPA 6020	5.	360.	mg/Kg

ND means none detected at or above the detection limit listed.

SCOEPA00023971

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

EPA Category: Volatile Organics
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 06/26/01
Analyst: MRD

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acetone	5.22	ND	ND
Benzene	1.74	ND	ND
Bromobenzene	1.74	ND	ND
Bromochloromethane	1.74	ND	ND
Bromodichloromethane	1.74	ND	ND
Bromoform	1.74	ND	ND
Bromomethane	1.74	ND	ND
2-Butanone (MEK)	1.74	ND	ND
n-Butylbenzene	1.74	ND	ND
sec-Butylbenzene	1.74	ND	ND
tert-Butylbenzene	1.74	ND	ND
Carbon Disulfide	1.74	ND	ND
Carbon tetrachloride	1.74	ND	ND
Chlorobenzene	1.74	ND	ND
Chloroethane	1.74	ND	ND
2-Chloroethylvinyl ether	1.74	ND	ND
Chloroform	1.74	ND	ND
Chloromethane	1.74	ND	ND
2-Chlorotoluene	1.74	ND	ND
4-Chlorotoluene	1.74	ND	ND
1,2-Dibromo-3-chloropropane	1.74	ND	ND
Dibromochloromethane	1.74	ND	ND
1,2-Dibromoethane	1.74	ND	ND
Dibromomethane	1.74	ND	ND
1,2-Dichlorobenzene	1.74	ND	ND
1,3-Dichlorobenzene	1.74	ND	ND
1,4-Dichlorobenzene	1.74	ND	ND
Dichlorodifluoromethane	1.74	ND	ND
1,1-Dichloroethane	1.74	ND	ND
1,2-Dichloroethane	1.74	ND	ND

Results expressed as mg/kg unless otherwise noted.
ND means none detected at or above the detection limit listed.

SCOEPA00023972

Analytical Data

Wacker Siltronic

Job Number: A10621BI
Page Number: 4 of 20

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

EPA Category: Volatile Organics
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 06/26/01
Analyst: MRD

Parameter	Detection Limit	Laboratory Blank	Analytical Result
1,1-Dichloroethene	1.74	ND	ND
cis-1,2-Dichloroethene	1.74	ND	ND
trans-1,2-Dichloroethene	1.74	ND	ND
1,2-Dichloropropane	1.74	ND	ND
1,3-Dichloropropane	1.74	ND	ND
2,2-Dichloropropane	1.74	ND	ND
1,1-Dichloropropene	1.74	ND	ND
cis-1,3-Dichloropropene	1.74	ND	ND
trans-1,3-Dichloropropene	1.74	ND	ND
Ethylbenzene	1.74	ND	ND
Hexachlorobutadiene	1.74	ND	ND
2-Hexanone	1.74	ND	ND
Iodomethane	1.74	ND	ND
Isopropylbenzene	1.74	ND	ND
4-Isopropyltoluene	1.74	ND	ND
4-Methyl-2-pentanone	1.74	ND	ND
Methylene chloride	1.74	ND	ND
Naphthalene	1.74	ND	ND
n-Propylbenzene	1.74	ND	ND
Styrene	1.74	ND	ND
1,1,1,2-Tetrachloroethane	1.74	ND	ND
1,1,2,2-Tetrachloroethane	1.74	ND	ND
Tetrachloroethene	1.74	ND	ND
Toluene	1.74	ND	10.
1,2,3-Trichlorobenzene	1.74	ND	ND
1,2,4-Trichlorobenzene	1.74	ND	ND
1,1,1-Trichloroethane	1.74	ND	ND
1,1,2-Trichloroethane	1.74	ND	ND
Trichloroethene	1.74	ND	ND
Trichlorofluoromethane	1.74	ND	ND

Results expressed as mg/kg unless otherwise noted.
ND means none detected at or above the detection limit listed.

SCOEPA00023973

Analytical Data

Wacker Siltronic

Job Number: A10621BI
Page Number: 5 of 20

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

EPA Category: Volatile Organics
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 06/26/01
Analyst: MRD

Parameter	Detection Limit	Laboratory Blank	Analytical Result
1,2,3-Trichloropropane	1.74	ND	ND
1,2,4-Trimethylbenzene	1.74	ND	ND
1,3,5-Trimethylbenzene	1.74	ND	ND
Vinyl acetate	1.74	ND	ND
Vinyl chloride	1.74	ND	ND
m,p-Xylene	3.48	ND	ND
o-Xylene	1.74	ND	ND
4-Bromofluorobenzene (Surr.)	---	---	99%
Dibromofluoromethane (Surr.)	---	---	100%
Toluene-d8 (Surr.)	---	---	102%

Results expressed as mg/kg unless otherwise noted.
ND means none detected at or above the detection limit listed.

Analytical Data

Wacker Siltronic

Job Number: A10621BI
Page Number: 6 of 20

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

EPA Category: Extractable Organics
Analysis Performed: EPA 8270; Semivolatile Organics by GC/MS.
Analysis Date: 06/30/01
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acenaphthene	69.	ND	ND
Acenaphthylene	69.	ND	ND
Aldrin	69.	ND	ND
Anthracene	69.	ND	ND
Azobenzene	58.	ND	ND
1,2-Diphenylhydrazine	58.	ND	ND
Benzo(a)anthracene	69.	ND	ND
Benzo(a)pyrene	69.	ND	ND
Benzo(b)fluoranthene	69.	ND	ND
Benzo(g,h,i)perylene	69.	ND	ND
Benzo(k)fluoranthene	69.	ND	ND
beta-BHC	69.	ND	ND
delta-BHC	69.	ND	ND
bis(2-Chloroethoxy)methane	69.	ND	ND
bis(2-Chloroethyl)ether	69.	ND	ND
bis(2-Chloroisopropyl)ether	69.	ND	ND
Bis(2-ethylhexyl)phthalate	69.	ND	ND
4-Bromophenyl phenyl ether	69.	ND	ND
Butyl benzyl phthalate	69.	ND	ND
4-Chloro-3-methylphenol	69.	ND	ND
2-Chloronaphthalene	69.	ND	ND
2-Chlorophenol	69.	ND	ND
4-Chlorophenyl phenyl ether	69.	ND	ND
Chrysene	69.	ND	ND
4,4-DDD	69.	ND	ND
4,4-DDE	69.	ND	ND
4,4-DDT	69.	ND	ND
Di-n-butylphthalate	69.	ND	ND
Di-n-octylphthalate	69.	ND	ND
Dibenzo(a,h)anthracene	69.	ND	ND

Results expressed as mg/kg unless otherwise noted.
ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00023975

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

EPA Category: Extractable Organics
Analysis Performed: EPA 8270; Semivolatile Organics by GC/MS.
Analysis Date: 06/30/01
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
1,2-Dichlorobenzene	69.	ND	ND
1,4-Dichlorobenzene	69.	ND	ND
1,3-Dichlorobenzene	69.	ND	ND
2,4-Dichlorophenol	69.	ND	ND
Dieldrin	69.	ND	ND
Diethyl phthalate	69.	ND	ND
2,4-Dimethylphenol	69.	ND	ND
Dimethylphthalate	69.	ND	ND
2,4-Dinitrophenol	138.	ND	ND
2,4-Dinitrotoluene	69.	ND	ND
2,6-Dinitrotoluene	69.	ND	ND
Endosulfan sulfate	69.	ND	ND
Endrin Aldehyde	69.	ND	ND
Fluoranthene	69.	ND	ND
Fluorene	69.	ND	ND
Heptachlor	69.	ND	ND
Heptachlor epoxide	69.	ND	ND
Hexachlorobenzene	69.	ND	ND
Hexachlorobutadiene	69.	ND	ND
Hexachloroethane	69.	ND	ND
Indeno(1,2,3-cd)pyrene	69.	ND	ND
Isophorone	69.	ND	ND
2-Methyl-4,6-dinitrophenol	69.	ND	ND
N-Nitrosodi-n-propylamine	69.	ND	ND
Naphthalene	69.	ND	ND
Nitrobenzene	69.	ND	ND
4-Nitrophenol	69.	ND	ND
2-Nitrophenol	69.	ND	ND
Pentachlorophenol	69.	ND	ND
Phenanthrene	69.	ND	ND

Results expressed as mg/kg unless otherwise noted.
ND means none detected at or above the detection limit listed.

SCOEPA00023976

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

EPA Category: Extractable Organics
Analysis Performed: EPA 8270; Semivolatile Organics by GC/MS.
Analysis Date: 06/30/01
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Phenol	69.	ND	ND
Pyrene	69.	ND	ND
1,2,4-Trichlorobenzene	69.	ND	ND
2,4,6-Trichlorophenol	69.	ND	ND
2-Fluorobiphenyl (Surr.)	---	---	Diluted out of range
2-Fluorophenol (Surr.)	---	---	Diluted out of range
Nitrobenzene-d5 (Surr.)	---	---	Diluted out of range
Phenol-d6 (Surr.)	---	---	Diluted out of range
Terphenyl-d14 (Surr.)	---	---	Diluted out of range
2,4,6-Tribromophenol (Surr.)	---	---	Diluted out of range

Results expressed as mg/kg unless otherwise noted.
ND means none detected at or above the detection limit listed.

SCOEPA00023977

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

EPA Category: Extractable Organics
Analysis Performed: EPA 8270 SIM; Polynuclear Aromatic Hydrocarbons by SIM GC/MS
Analysis Date: 06/29/01
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acenaphthene	0.17	ND	ND
Acenaphthylene	0.17	ND	ND
Anthracene	0.17	ND	ND
Benzo(a)anthracene	0.17	ND	0.2
Benzo(a)pyrene	0.17	ND	0.2
Benzo(b)fluoranthene	0.17	ND	0.3
Benzo(g,h,i)perylene	0.17	ND	0.2
Benzo(k)fluoranthene	0.17	ND	0.2
Chrysene	0.17	ND	0.3
Dibenzo(a,h)anthracene	0.17	ND	ND
Fluoranthene	0.17	ND	0.4
Fluorene	0.17	ND	ND
Indeno(1,2,3-cd)pyrene	0.17	ND	0.2
Naphthalene	0.17	ND	ND
Phenanthrene	0.17	ND	0.2
Pyrene	0.17	ND	0.4
Decafluorobiphenol (Surr.)	---	---	Diluted out of range

Results expressed as mg/kg unless otherwise noted.
ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00023978

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

EPA Category: Extractable Organics
Analysis Performed: NW TPH-Dx; TPH quantitative semi-volatile petroleum products
Analysis Date: 06/27/01
Analyst: MKM

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Diesel	2200.	ND	ND
Hydrocarbons heavier than C24	2200.	ND	9000.
o-Terphenyl (Surr.)	---	---	Diluted out of range

Results expressed as mg/kg unless otherwise noted.
ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00023979

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-4
Field ID: 01-72
Date/Time: 06/19/01 1400
Matrix: Water

EPA Category: Conventional Parameters

Parameter	Method	Detection Limit	Analytical Result	Units
Total Cyanide	EPA 335.2	0.1	ND	mg/L
Total Organic Carbon	EPA 415.1	0.8	ND	mg/L

ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00023980

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-4
Field ID: 01-72
Date/Time: 06/19/01 1400
Matrix: Water

EPA Category: Metals

Parameter	Method	Detection Limit	Analytical Result	Units
Antimony	EPA 200.8	0.01	ND	mg/L
Arsenic	EPA 200.8	0.005	ND	mg/L
Barium	EPA 200.8	0.001	ND	mg/L
Cadmium	EPA 200.8	0.002	ND	mg/L
Chromium	EPA 200.8	0.01	ND	mg/L
Cobalt	EPA 200.8	0.001	ND	mg/L
Copper	EPA 200.8	0.005	ND	mg/L
Iron	EPA 200.7	0.5	ND	mg/L
Lead	EPA 200.8	0.002	ND	mg/L
Magnesium	EPA 200.7	0.05	ND	mg/L
Manganese	EPA 200.7	0.1	ND	mg/L
Mercury	EPA 245.1	0.005	ND	mg/L
Nickel	EPA 200.8	0.005	ND	mg/L
Selenium	EPA 200.8	0.05	ND	mg/L
Silver	EPA 200.8	0.005	ND	mg/L
Thallium	EPA 200.8	0.001	ND	mg/L
Titanium	EPA 200.8	0.02	ND	mg/L
Vanadium	EPA 200.8	0.001	ND	mg/L
Zinc	EPA 200.8	0.01	ND	mg/L

ND means none detected at or above the detection limit listed.

SCOEPA00023981

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-4
Field ID: 01-72
Date/Time: 06/19/01 1400
Matrix: Water

EPA Category: Volatile Organics
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 06/26/01
Analyst: MRD

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acetone	15.	ND	ND
Benzene	5.	ND	ND
Bromobenzene	5.	ND	ND
Bromochloromethane	5.	ND	ND
Bromodichloromethane	5.	ND	ND
Bromoform	5.	ND	ND
Bromomethane	5.	ND	ND
2-Butanone (MEK)	5.	ND	ND
n-Butylbenzene	5.	ND	ND
sec-Butylbenzene	5.	ND	ND
tert-Butylbenzene	5.	ND	ND
Carbon Disulfide	5.	ND	ND
Carbon tetrachloride	5.	ND	ND
Chlorobenzene	5.	ND	ND
Chloroethane	5.	ND	ND
2-Chloroethylvinyl ether	5.	ND	ND
Chloroform	5.	ND	ND
Chloromethane	5.	ND	ND
2-Chlorotoluene	5.	ND	ND
4-Chlorotoluene	5.	ND	ND
1,2-Dibromo-3-chloropropane	5.	ND	ND
Dibromochloromethane	5.	ND	ND
1,2-Dibromoethane	5.	ND	ND
Dibromomethane	5.	ND	ND
1,2-Dichlorobenzene	5.	ND	ND
1,3-Dichlorobenzene	5.	ND	ND
1,4-Dichlorobenzene	5.	ND	ND
Dichlorodifluoromethane	5.	ND	ND
1,1-Dichloroethane	5.	ND	ND
1,2-Dichloroethane	5.	ND	ND

Results expressed as µg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

SCOEPA00023982

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-4
Field ID: 01-72
Date/Time: 06/19/01 1400
Matrix: Water

EPA Category: Volatile Organics
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 06/26/01
Analyst: MRD

Parameter	Detection Limit	Laboratory Blank	Analytical Result
1,1-Dichloroethene	5.	ND	ND
cis-1,2-Dichloroethene	5.	ND	ND
trans-1,2-Dichloroethene	5.	ND	ND
1,2-Dichloropropane	5.	ND	ND
1,3-Dichloropropane	5.	ND	ND
2,2-Dichloropropane	5.	ND	ND
1,1-Dichloropropene	5.	ND	ND
cis-1,3-Dichloropropene	5.	ND	ND
trans-1,3-Dichloropropene	5.	ND	ND
Ethylbenzene	5.	ND	ND
Hexachlorobutadiene	5.	ND	ND
2-Hexanone	5.	ND	ND
Iodomethane	5.	ND	ND
Isopropylbenzene	5.	ND	ND
4-Isopropyltoluene	5.	ND	ND
4-Methyl-2-pentanone	5.	ND	ND
Methylene chloride	5.	ND	12.
Naphthalene	5.	ND	ND
n-Propylbenzene	5.	ND	ND
Styrene	5.	ND	ND
1,1,1,2-Tetrachloroethane	5.	ND	ND
1,1,2,2-Tetrachloroethane	5.	ND	ND
Tetrachloroethene	5.	ND	ND
Toluene	5.	ND	ND
1,2,3-Trichlorobenzene	5.	ND	ND
1,2,4-Trichlorobenzene	5.	ND	ND
1,1,1-Trichloroethane	5.	ND	ND
1,1,2-Trichloroethane	5.	ND	ND
Trichloroethene	5.	ND	ND
Trichlorofluoromethane	5.	ND	ND

Results expressed as $\mu g/L$ unless otherwise noted.
ND means none detected at or above the detection limit listed.

SCOEPA00023983

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-4
Field ID: 01-72
Date/Time: 06/19/01 1400
Matrix: Water

EPA Category: Volatile Organics
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 06/26/01
Analyst: MRD

Parameter	Detection Limit	Laboratory Blank	Analytical Result
1,2,3-Trichloropropane	5.	ND	ND
1,2,4-Trimethylbenzene	5.	ND	ND
1,3,5-Trimethylbenzene	5.	ND	ND
Vinyl acetate	5.	ND	ND
Vinyl chloride	5.	ND	ND
m,p-Xylene	10.	ND	ND
o-Xylene	5.	ND	ND
4-Bromofluorobenzene (Surr.)	---	---	99%
Dibromofluoromethane (Surr.)	---.	---	102%
Toluene-d8 (Surr.)	---.	---	102%

Results expressed as µg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

Note: The sample was not in a preserved zero head space vial. The Methylene chloride could possibly be due to laboratory contaminations the sample was shared for other analytical methods.

SCOEPA00023984

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-4
Field ID: 01-72
Date/Time: 06/19/01 1400
Matrix: Water

EPA Category: Extractable Organics
Analysis Performed: EPA 8270; Semivolatile Organics by GC/MS.
Analysis Date: 06/27/01
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acenaphthene	0.12	ND	ND
Acenaphthylene	0.12	ND	ND
Aldrin	0.12	ND	ND
Anthracene	0.12	ND	ND
Benzo(a)anthracene	0.12	ND	ND
Benzo(a)pyrene	0.12	ND	ND
Benzo(b)fluoranthene	0.12	ND	ND
Benzo(g,h,i)perylene	0.12	ND	ND
Benzo(k)fluoranthene	0.12	ND	ND
beta-BHC	0.12	ND	ND
delta-BHC	0.12	ND	ND
bis(2-Chloroethoxy)methane	0.12	ND	ND
bis(2-Chloroethyl)ether	0.12	ND	ND
bis(2-Chloroisopropyl)ether	0.12	ND	ND
Bis(2-ethylhexyl)phthalate	0.12	ND	ND
4-Bromophenyl phenyl ether	0.12	ND	ND
Butyl benzyl phthalate	0.12	ND	ND
4-Chloro-3-methylphenol	0.12	ND	ND
2-Chloronaphthalene	0.12	ND	ND
2-Chlorophenol	0.12	ND	ND
4-Chlorophenyl phenyl ether	0.12	ND	ND
Chrysene	0.12	ND	ND
4,4-DDD	0.12	ND	ND
4,4-DDE	0.12	ND	ND
4,4-DDT	0.12	ND	ND
Di-n-butylphthalate	0.12	ND	ND
Di-n-octylphthalate	0.12	ND	ND
Dibenzo(a,h)anthracene	0.12	ND	ND
1,2-Dichlorobenzene	0.12	ND	ND
1,4-Dichlorobenzene	0.12	ND	ND

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-4
Field ID: 01-72
Date/Time: 06/19/01 1400
Matrix: Water

EPA Category: Extractable Organics
Analysis Performed: EPA 8270; Semivolatile Organics by GC/MS.
Analysis Date: 06/27/01
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
1,3-Dichlorobenzene	0.12	ND	ND
2,4-Dichlorophenol	0.12	ND	ND
Dieldrin	0.12	ND	ND
Diethyl phthalate	0.12	ND	ND
2,4-Dimethylphenol	0.12	ND	ND
Dimethylphthalate	0.12	ND	ND
2,4-Dinitrophenol	0.24	ND	ND
2,4-Dinitrotoluene	0.12	ND	ND
2,6-Dinitrotoluene	0.12	ND	ND
Endosulfan sulfate	0.12	ND	ND
Endrin Aldehyde	0.12	ND	ND
Fluoranthene	0.12	ND	ND
Fluorene	0.12	ND	ND
Heptachlor	0.12	ND	ND
Heptachlor epoxide	0.12	ND	ND
Hexachlorobenzene	0.12	ND	ND
Hexachlorobutadiene	0.12	ND	ND
Hexachloroethane	0.12	ND	ND
Indeno(1,2,3-cd)pyrene	0.12	ND	ND
Isophorone	0.12	ND	ND
2-Methyl-4,6-dinitrophenol	0.12	ND	ND
N-Nitrosodi-n-propylamine	0.12	ND	ND
Naphthalene	0.12	ND	ND
Nitrobenzene	0.12	ND	ND
4-Nitrophenol	0.12	ND	ND
2-Nitrophenol	0.12	ND	ND
Pentachlorophenol	0.12	ND	ND
Phenanthrene	0.12	ND	ND
Phenol	0.12	ND	ND
Pyrene	0.12	ND	ND

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00023986

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-4
Field ID: 01-72
Date/Time: 06/19/01 1400
Matrix: Water

EPA Category: Extractable Organics
Analysis Performed: EPA 8270; Semivolatile Organics by GC/MS.
Analysis Date: 06/27/01
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
1,2,4-Trichlorobenzene	0.12	ND	ND
2,4,6-Trichlorophenol	0.12	ND	ND
2-Fluorobiphenyl (Surr.)	---	---	95%
2-Fluorophenol (Surr.)	---	---	60%
Nitrobenzene-d5 (Surr.)	---	---	90%
Phenol-d6 (Surr.)	---	---	39%
Terphenyl-d14 (Surr.)	---	---	115%
2,4,6-Tribromophenol (Surr.)	---	---	80%

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

SCOEPA00023987

Analytical Data

Wacker Siltronic

Job Number: A10621BI

Lab Sample ID: A10621BI-4
Field ID: 01-72
Date/Time: 06/19/01 1400
Matrix: Water

EPA Category: Extractable Organics
Analysis Performed: EPA 8270 SIM; Polynuclear Aromatic Hydrocarbons by SIM GC/MS
Analysis Date: 06/29/01
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acenaphthene	2.	ND	ND
Acenaphthylene	2.	ND	ND
Anthracene	2.	ND	ND
Benzo(a)anthracene	2.	ND	ND
Benzo(a)pyrene	2.	ND	ND
Benzo(b)fluoranthene	2.	ND	ND
Benzo(g,h,i)perylene	2.	ND	ND
Benzo(k)fluoranthene	2.	ND	ND
Chrysene	2.	ND	ND
Dibenzo(a,h)anthracene	2.	ND	ND
Fluoranthene	2.	ND	ND
Fluorene	2.	ND	ND
Indeno(1,2,3-cd)pyrene	2.	ND	ND
Naphthalene	2.	ND	ND
Phenanthrene	2.	ND	ND
Pyrene	2.	ND	ND
Decafluorobiphenol (Surr.)	---	---	70%

Results expressed as μg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00023988

Analytical Data

Wacker Siltronic

Job Number: A10621BI
Page Number: 20 of 20

Lab Sample ID: A10621BI-4
Field ID: 01-72
Date/Time: 06/19/01 1400
Matrix: Water

EPA Category: Extractable Organics
Analysis Performed: NW TPH-Dx; TPH quantitative semi-volatile petroleum products
Analysis Date: 06/27/01
Analyst: MKM

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Diesel	2.5	ND	ND
Hydrocarbons heavier than C24	5.	ND	ND
o-Terphenyl (Surr.)	---	---	120%

Results expressed as mg/l unless otherwise noted.
ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00023989

Method Blank and Calibration Blank Data
Summary Report

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00023990

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 200.7; Metals Analyses by ICP

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Iron	0.05	ND	Continuing Calibration Blank	1060774-23
Iron	0.05	ND	Method Blank	1060774-24
Magnesium	0.005	ND	Continuing Calibration Blank	1060774-23
Magnesium	0.005	ND	Method Blank	1060774-24
Manganese	0.002	ND	Continuing Calibration Blank	1060774-23
Manganese	0.002	ND	Method Blank	1060774-24

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 200.7; Metals Analyses by ICP

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Iron	0.1	0.1	100.	75.-125.	Initial Calibration Verif.	1060774-6
Iron	2.3	2.2	103.	75.-125.	Laboratory Control Sample	1060774-22
Iron	10.	10.	100.	75.-125.	Continuing Calibration Verif.	1060774-40
Magnesium	0.1	0.1	100.	75.-125.	Initial Calibration Verif.	1060774-6
Magnesium	2.2	2.2	100.	75.-125.	Laboratory Control Sample	1060774-22
Magnesium	10.	10.	100.	75.-125.	Continuing Calibration Verif.	1060774-40
Manganese	0.1	0.1	100.	75.-125.	Initial Calibration Verif.	1060774-6
Manganese	2.2	2.2	100.	75.-125.	Laboratory Control Sample	1060774-22
Manganese	11.	10.	110.	75.-125.	Continuing Calibration Verif.	1060774-41

Results expressed as mg/L.

SCOEPA00023992

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 200.8; Metals Analyses by ICP/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Antimony	0.001	ND	Method Blank	1060693-3
Antimony	0.0005	ND	Continuing Calibration Blank	1060693-16
Arsenic	0.0005	ND	Methon Blank	1060693-3
Arsenic	0.0005	ND	Continuing Calibration Blank	1060693-16
Barium	0.0001	ND	Method Blank	1060693-3
Barium	0.0001	ND	Continuing Calibration Blank	1060693-16
Cadmium	0.0002	ND	Method Blank	1060693-3
Cadmium	0.0002	ND	Continuing Calibration Blank	1060693-16
Chromium	0.001	ND	Method Blank	1060693-3
Chromium	0.001	ND	Continuing Calibration Blank	1060693-16
Cobalt	0.0001	ND	Method Blank	1060693-3
Cobalt	0.0001	ND	Continuing Calibration Blank	1060693-16
Copper	0.0005	ND	Method Blank	1060693-3
Copper	0.0005	ND	Continuing Calibration Blank	1060693-16

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 200.8; Metals Analyses by ICP/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Lead	0.0002	ND	Method Blank	1060693-3
Lead	0.0002	ND	Continuing Calibration Blank	1060693-16
Nickel	0.0005	ND	Method Blank	1060693-3
Nickel	0.0005	ND	Continuing Calibration Blank	1060693-16
Selenium	0.005	ND	Method Blank	1060693-3
Selenium	0.005	ND	Continuing Calibration Blank	1060693-16
Silver	0.0002	ND	Method Blank	1060693-3
Silver	0.0002	ND	Continuing Calibration Blank	1060693-16
Thallium	0.0001	ND	Method Blank	1060693-3
Thallium	0.0001	ND	Continuing Calibration Blank	1060693-16
Titanium	0.002	ND	Method Blank	1060693-3
Titanium	0.002	ND	Continuing Calibration Blank	1060693-16
Vanadium	0.0001	ND	Method Blank	1060693-3
Vanadium	0.0001	ND	Continuing Calibration Blank	1060693-16
Zinc	0.001	ND	Method Blank	1060693-3
Zinc	0.001	ND	Continuing Calibration Blank	1060693-16

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.

SCOEPA00023994

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 200.8; Metals Analyses by ICP/MS.

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Antimony	0.096	0.1	96.	75.-125.	Initial Calibration Verif.	1060693-1
Antimony	0.02	0.02	100.	75.-125.	Laboratory Control Sample	1060693-2
Arsenic	0.099	0.1	99.	75.-125.	Initial Calibration Verif.	1060693-1
Arsenic	0.019	0.02	95.	75.-125.	Laboratory Control Sample	1060693-2
Barium	0.1	0.1	100.	75.-125.	Initial Calibration Verif.	1060693-1
Barium	0.019	0.02	95.	75.-125.	Laboratory Control Sample	1060693-2
Cadmium	0.099	0.1	99.	75.-125.	Initial Calibration Verif.	1060693-1
Cadmium	0.02	0.2	100.	75.-125.	Laboratory Control Sample	1060693-2
Chromium	0.1	0.1	100.	75.-125.	Initial Calibration Verif.	1060693-1
Chromium	0.02	0.02	100.	75.-125.	Laboratory Control Sample	1060693-2

Results expressed as mg/L.

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 200.8; Metals Analyses by ICP/MS.

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Cobalt	0.1	0.1	100.	75.-125.	Initial Calibration Verif.	1060693-1
Cobalt	0.02	0.02	100.	75.-125.	Laboratory Control Sample	1060693-2
Copper	0.1	0.1	100.	75.-125.	Initial Calibration Verif.	1060693-1
Copper	0.02	0.02	100.	75.-125.	Laboratory Control Sample	1060693-2
Lead	0.1	0..1	100.	75.-125.	Initial Calibration Verif.	1060693-1
Lead	0.02	0.02	100.	75.-125.	Laboratory Control Sample	1060693-2
Nickel	0.099	0.1	99.	75.-125.	Initial Calibration Verif.	1060693-1
Nickel	0.019	0.02	98.	75.-125.	Laboratory Control Sample	1060693-2

Results expressed as mg/L.
* Values expressed as percent values.

SCOEPA00023996

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 200.8; Metals Analyses by ICP/MS.

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Selenium	0.099	0.1	99.	75.-125.	Initial Calibration Verif.	1060693-1
Selenium	0.018	0.02	90.	75.-125.	Laboratory Control Sample	1060693-2
Silver	0.048	0.05	97.	75.-125.	Initial Calibration Verif.	1060693-1
Silver	0.019	0.02	94.	75.-125.	Laboratory Control Sample	1060693-2
Thallium	0.1	0.1	100.	75.-125.	Initial Calibration Verif.	1060693-1
Thallium	0.019	0.02	94.	75.-125.	Laboratory Control Sample	1060693-2
Titanium	0.099	0.1	99.	75.-125.	Initial Calibration Verif.	1060693-1
Titanium	0.02	0.02	100.	75.-125.	Laboratory Control Sample	1060693-2
Vanadium	0.1	0.1	100.	75.-125.	Initial Calibration Verif.	1060693-1
Vanadium	0.019	0.02	98.	75.-125.	Laboratory Control Sample	1060693-2
Zinc	0.1	0.1	100.	75.-125.	Initial Calibration Verif.	1060693-1
Zinc	0.02	0.02	100.	75.-125.	Laboratory Control Sample	1060693-2

Results expressed as mg/L.

SCOEPA00023997

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 245.1; Mercury by cold vapor.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Mercury	0.0005	ND	Initial Calibration Blank	1060638-2
Mercury	0.0005	ND	Continuing Calibration Blank	1060638-13

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.

SCOEPA00023998

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 245.1; Mercury by cold vapor.

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Mercury	0.5	0.5	100.	80.-120.	Initial Calibration Verif.	1060638-1
Mercury	0.5	0.5	100.	80.-120.	Laboratory Control Sample	1060638-3
Mercury	0.5	0.5	100.	80.-120.	Continuing Calibration Verif.	1060638-12

Results expressed as mg/L.

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 415.1; Total Organic Carbon.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Total Organic Carbon	0.8	ND	Initial Calibration Blank	1060772-2
Total Organic Carbon	0.8	ND	Continuing Calibration Blank	1060772-10

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 415.1; Total Organic Carbon.

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Total Organic Carbon	10.3	10.	103.	80.-120.	Initial Calibration Verif.	1060772-1
Total Organic Carbon	1.06	1.0	106.	80.-120.	Continuing Calibration Verif.	1060772-3
Total Organic Carbon	56.	59.	95.	80.-120.	Laboratory Control Sample	1060772-4
Total Organic Carbon	10.4	10.	104.	80.-120.	Continuing Calibration Verif.	1060772-11

Results expressed as mg/L.

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 415.1; Total Organic Carbon.

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Total Organic Carbon	65.	59.	110.	80.-120.	Laboratory Control Sample	1070042-1
Total Organic Carbon	67.	59.	113.	80.-120.	Laboratory Control Sample	1070042-4

Results expressed as mg/Kg.

SCOEPA00024002

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 6020; EPA 6020

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Antimony	0.05	ND	Method Blank	1060709-1
Antimony	0.0005	ND	Continuing Calibration Blank	1060709-5
Arsenic	0.05	ND	Method Blank	1060709-1
Arsenic	0.0005	ND	Continuing Calibration Blank	1060709-5
Barium	0.01	ND	Method Blank	1060709-1
Barium	0.0001	ND	Continuing Calibration Blank	1060709-5
Cadmium	0.02	ND	Method Blank	1060709-1
Cadmium	0.0002	ND	Continuing Calibration Blank	1060709-5
Chromium	0.1	ND	Method Blank	1060709-1
Chromium	0.001	ND	Continuing Calibration Blank	1060709-5
Cobalt	0.01	ND	Method Blank	1060709-1
Cobalt	0.0001	ND	Continuing Calibration Blank	1060709-5

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 6020; EPA 6020

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Copper	0.05	ND	Method Blank	1060709-1
Copper	0.0005	ND	Continuing Calibration Blank	1060709-5
Lead	0.02	ND	Method Blank	1060709-1
Lead	0.0002	ND	Continuing Calibration Blank	1060709-5
Nickel	0.05	ND	Method Blank	1060709-1
Nickel	0.0005	ND	Continuing Calibration Blank	1060709-5
Selenium	0.1	ND	Method Blank	1060709-1
Selenium	0.001	ND	Continuing Calibration Blank	1060709-5
Silver	0.02	ND	Method Blank	1060709-1
Silver	0.0002	ND	Continuing Calibration Blank	1060709-5
Thallium	0.01	ND	Method Blank	1060709-1
Thallium	0.0001	ND	Continuing Calibration Blank	1060709-5
Vanadium	0.01	ND	Method Blank	1060709-1
Vanadium	0.0001	ND	Continuing Calibration Blank	1060709-5

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.

SCOEPA00024004

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 6020; EPA 6020

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Antimony	2.2	2.0	110.	75.-125.	Laboratory Control Sample	1060709-2
Antimony	0.088	0.1	88.	75.-125.	Continuing Calibration Verif.	1060709-3
Arsenic	2.0	2.0	100.	75.-125.	Laboratory Control Sample	1060709-2
Arsenic	0.1	0.1	100.	75.-125.	Continuing Calibration Verif.	1060709-3
Barium	2.0	2.0	100.	75.-125.	Laboratory Control Sample	1060709-2
Barium	0.1	0.1	100.	75.-125.	Continuing Calibration Verif.	1060709-3
Cadmium	2.0	2.0	100.	75.-125.	Laboratory Control Sample	1060709-2
Cadmium	0.1	0.1	100.	75.-125.	Continuing Calibration Verif.	1060709-3
Chromium	2.1	2.0	105.	75.-125.	Laboratory Control Sample	1060709-2
Chromium	0.1	0.1	100.	75.-125.	Continuing Calibration Verif.	1060709-3
Cobalt	2.1	2.0	105.	75.-125.	Laboratory Control Sample	1060709-2
Cobalt	0.1	0.1	100.	75.-125.	Continuing Calibration Verif.	1060709-3

Results expressed as mg/L.

SCOEPA00024005

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 6020; EPA 6020

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Copper	2.1	2.0	105.	75.-125.	Laboratory Control Sample	1060709-2
Copper	0.1	0.1	100.	75.-125.	Continuing Calibration Verif.	1060709-3
Lead	2.1	2.0	105.	75.-125.	Laboratory Control Sample	1060709-2
Lead	0.1	0.1	100.	75.-125.	Continuing Calibration Verif.	1060709-3
Nickel	2.1	2.0	105.	75.-125.	Laboratory Control Sample	1060709-2
Nickel	0.1	0.1	100.	75.-125.	Continuing Calibration Verif.	1060709-3
Selenium	2.0	2.0	100.	75.-125.	Laboratory Control Sample	1060709-2
Selenium	0.11	0.1	110.	75.-125.	Continuing Calibration Verif.	1060709-3
Silver	0.89	1.0	89.	75.-125.	Laboratory Control Sample	1060709-2
Silver	0.048	0.05	95.	75.-125.	Continuing Calibration Verif.	1060709-3
Thallium	2.1	2.0	105.	75.-125.	Laboratory Control Sample	1060709-2
Thallium	0.1	0.1	100.	75.-125.	Continuing Calibration Verif.	1060709-3
Titanium	2.1	2.0	105.	75.-125.	Laboratory Control Sample	1060709-2
Titanium	0.1	0.1	100.	75.-125.	Continuing Calibration Verif.	1060709-3
Vanadium	2.1	2.0	105.	75.-125.	Laboratory Control Sample	1060709-2
Vanadium	0.1	0.1	100.	75.-125.	Continuing Calibration Verif.	1060709-3

Results expressed as mg/L.
* Values expressed as percent values.

SCOEPA00024006

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 7471; Mercury by Cold Vapor Sediment or Soil.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Mercury	0.0005	ND	Continuing Calibration Blank	1060636-4
Mercury	0.0005	ND	Continuing Calibration Blank	1060636-10

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 7471; Mercury by Cold Vapor Sediment or Soil.

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Mercury	0.5	0.5	100.	80.-120.	Continuing Calibration Verif.	1060636-3
Mercury	0.4	0.5	80.	80.-120.	Continuing Calibration Verif.	1060636-9

Results expressed as mg/L.

SCOEPA00024008

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 8260; Volatile Organics by GC/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Acetone	15.	ND	Continuing Calibration Blank	1060688-4
Benzene	5.	ND	Continuing Calibration Blank	1060688-4
Bromobenzene	5.	ND	Continuing Calibration Blank	1060688-4
Bromochloromethane	5.	ND	Continuing Calibration Blank	1060688-4
Bromodichloromethane	5.	ND	Continuing Calibration Blank	1060688-4
Bromoform	5.	ND	Continuing Calibration Blank	1060688-4
Bromomethane	5.	ND	Continuing Calibration Blank	1060688-4
2-Butanone (MEK)	5.	ND	Continuing Calibration Blank	1060688-4
n-Butylbenzene	5.	ND	Continuing Calibration Blank	1060688-4
sec-Butylbenzene	5.	ND	Continuing Calibration Blank	1060688-4
tert-Butylbenzene	5.	ND	Continuing Calibration Blank	1060688-4
Carbon Disulfide	5.	ND	Continuing Calibration Blank	1060688-4
Carbon tetrachloride	5.	ND	Continuing Calibration Blank	1060688-4
Chlorobenzene	5.	ND	Continuing Calibration Blank	1060688-4
Chloroethane	5.	ND	Continuing Calibration Blank	1060688-4
2-Chloroethylvinyl ether	5.	ND	Continuing Calibration Blank	1060688-4
Chloroform	5.	ND	Continuing Calibration Blank	1060688-4
Chloromethane	5.	ND	Continuing Calibration Blank	1060688-4
2-Chlorotoluene	5.	ND	Continuing Calibration Blank	1060688-4

Results expressed as µg/L.
ND means none detected at or above the detection limit listed.

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 8260; Volatile Organics by GC/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
4-Chlorotoluene	5.	ND	Continuing Calibration Blank	1060688-4
1,2-Dibromo-3-chloropropane	5.	ND	Continuing Calibration Blank	1060688-4
Dibromochloromethane	5.	ND	Continuing Calibration Blank	1060688-4
1,2-Dibromoethane	5.	ND	Continuing Calibration Blank	1060688-4
Dibromomethane	5.	ND	Continuing Calibration Blank	1060688-4
1,2-Dichlorobenzene	5.	ND	Continuing Calibration Blank	1060688-4
1,3-Dichlorobenzene	5.	ND	Continuing Calibration Blank	1060688-4
1,4-Dichlorobenzene	5.	ND	Continuing Calibration Blank	1060688-4
Dichlorodifluoromethane	5.	ND	Continuing Calibration Blank	1060688-4
1,1-Dichloroethane	5.	ND	Continuing Calibration Blank	1060688-4
1,2-Dichloroethane	5.	ND	Continuing Calibration Blank	1060688-4
1,1-Dichloroethene	5.	ND	Continuing Calibration Blank	1060688-4
cis-1,2-Dichloroethene	5.	ND	Continuing Calibration Blank	1060688-4
trans-1,2-Dichloroethene	5.	ND	Continuing Calibration Blank	1060688-4
1,2-Dichloropropane	5.	ND	Continuing Calibration Blank	1060688-4
1,3-Dichloropropane	5.	ND	Continuing Calibration Blank	1060688-4
2,2-Dichloropropane	5.	ND	Continuing Calibration Blank	1060688-4
1,1-Dichloropropene	5.	ND	Continuing Calibration Blank	1060688-4
cis-1,3-Dichloropropene	5.	ND	Continuing Calibration Blank	1060688-4
trans-1,3-Dichloropropene	5.	ND	Continuing Calibration Blank	1060688-4

Results expressed as μg/L.
ND means none detected at or above the detection limit listed.

SCOEPA00024010

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 8260; Volatile Organics by GC/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Ethylbenzene	5.	ND	Continuing Calibration Blank	1060688-4
Hexachlorobutadiene	5.	ND	Continuing Calibration Blank	1060688-4
2-Hexanone	5.	ND	Continuing Calibration Blank	1060688-4
Iodomethane	5.	ND	Continuing Calibration Blank	1060688-4
Isopropylbenzene	5.	ND	Continuing Calibration Blank	1060688-4
4-Isopropyltoluene	5.	ND	Continuing Calibration Blank	1060688-4
4-Methyl-2-pentanone	5.	ND	Continuing Calibration Blank	1060688-4
Methylene chloride	5.	ND	Continuing Calibration Blank	1060688-4
Naphthalene	5.	ND	Continuing Calibration Blank	1060688-4
n-Propylbenzene	5.	ND	Continuing Calibration Blank	1060688-4
Styrene	5.	ND	Continuing Calibration Blank	1060688-4
1,1,1,2-Tetrachloroethane	5.	ND	Continuing Calibration Blank	1060688-4
1,1,2,2-Tetrachloroethane	5.	ND	Continuing Calibration Blank	1060688-4
Tetrachloroethene	5.	ND	Continuing Calibration Blank	1060688-4
Toluene	5.	ND	Continuing Calibration Blank	1060688-4
1,2,3-Trichlorobenzene	5.	ND	Continuing Calibration Blank	1060688-4
1,2,4-Trichlorobenzene	5.	ND	Continuing Calibration Blank	1060688-4
1,1,1-Trichloroethane	5.	ND	Continuing Calibration Blank	1060688-4
1,1,2-Trichloroethane	5.	ND	Continuing Calibration Blank	1060688-4
Trichloroethene	5.	ND	Continuing Calibration Blank	1060688-4

Results expressed as µg/L.
ND means none detected at or above the detection limit listed.

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 8260; Volatile Organics by GC/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Trichlorofluoromethane	5.	ND	Continuing Calibration Blank	1060688-4
1,2,3-Trichloropropane	5.	ND	Continuing Calibration Blank	1060688-4
1,2,4-Trimethylbenzene	5.	ND	Continuing Calibration Blank	1060688-4
1,3,5-Trimethylbenzene	5.	ND	Continuing Calibration Blank	1060688-4
Vinyl acetate	5.	ND	Continuing Calibration Blank	1060688-4
Vinyl chloride	5.	ND	Continuing Calibration Blank	1060688-4
m,p-Xylene	10.	ND	Continuing Calibration Blank	1060688-4
o-Xylene	5.	ND	Continuing Calibration Blank	1060688-4
4-Bromofluorobenzene (Surr.)	---	101%	Continuing Calibration Blank	1060688-4
Dibromofluoromethane (Surr.)	---	98%	Continuing Calibration Blank	1060688-4
Toluene-d8 (Surr.)	---	103%	Continuing Calibration Blank	1060688-4

Results expressed as µg/L.
ND means none detected at or above the detection limit listed.

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 8260; Volatile Organics by GC/MS.

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Benzene	25.	25.	100.	70.-130.	Laboratory Control Sample	1060688-3
Bromodichloromethane	24.	25.	96.	70.-130.	Laboratory Control Sample	1060688-3
Bromoform	25.	25.	100.	70.-130.	Laboratory Control Sample	1060688-3
Bromomethane	26.	25.	104.	70.-130.	Laboratory Control Sample	1060688-3
Carbon tetrachloride	25.	25.	100.	70.-130.	Laboratory Control Sample	1060688-3
Chlorobenzene	24.	25.	96.	70.-130.	Laboratory Control Sample	1060688-3
Chloroethane	28.	25.	112.	70.-130.	Laboratory Control Sample	1060688-3
Chloroform	23.	25.	94.	70.-130.	Laboratory Control Sample	1060688-3
Chloromethane	21.	25.	84.	70.-130.	Laboratory Control Sample	1060688-3
Dibromochloromethane	24.	25.	96.	70.-130.	Laboratory Control Sample	1060688-3
1,2-Dichlorobenzene	24.	25.	96.	70.-130.	Laboratory Control Sample	1060688-3
1,3-Dichlorobenzene	25.	25.	100.	70.-130.	Laboratory Control Sample	1060688-3
1,4-Dichlorobenzene	25.	25.	100.	70.-130.	Laboratory Control Sample	1060688-3
1,1-Dichloroethane	25.	25.	100.	70.-130.	Laboratory Control Sample	1060688-3
1,2-Dichloroethane	24.	25.	96.	70.-130.	Laboratory Control Sample	1060688-3
1,1-Dichloroethene	27.	25.	108.	70.-130.	Laboratory Control Sample	1060688-3
trans-1,2-Dichloroethene	25.	25.	100.	70.-130.	Laboratory Control Sample	1060688-3
1,2-Dichloropropane	26.	25.	104.	70.-130.	Laboratory Control Sample	1060688-3
cis-1,3-Dichloropropene	27.	25.	108.	70.-130.	Laboratory Control Sample	1060688-3
trans-1,3-Dichloropropene	27.	25.	108.	70.-130.	Laboratory Control Sample	1060688-3
Ethylbenzene	24.	25.	96.	70.-130.	Laboratory Control Sample	1060688-3

Results expressed as μg/L.

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 8260; Volatile Organics by GC/MS.

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Methylene chloride	19.	25.	75.	70.-130.	Laboratory Control Sample	1060688-3
1,1,2,2-Tetrachloroethane	24.	25.	96.	70.-130.	Laboratory Control Sample	1060688-3
Tetrachloroethene	26.	25.	104.	70.-130.	Laboratory Control Sample	1060688-3
Toluene	25.	25.	100.	70.-130.	Laboratory Control Sample	1060688-3
1,1,1-Trichloroethane	24.	25.	96.	70.-130.	Laboratory Control Sample	1060688-3
1,1,2-Trichloroethane	25.	25.	100.	70.-130.	Laboratory Control Sample	1060688-3
Trichloroethene	26.	25.	104.	70.-130.	Laboratory Control Sample	1060688-3
Trichlorofluoromethane	22.	25.	88.	70.-130.	Laboratory Control Sample	1060688-3
Vinyl chloride	26.	25.	104.	70.-130.	Laboratory Control Sample	1060688-3
4-Bromofluorobenzene (Surr.)			100%	70.-130.	Laboratory Control Sample	1060688-3
Dibromofluoromethane (Surr.)			93%	70.-130.	Laboratory Control Sample	1060688-3
Toluene-d8 (Surr.)			100%	70.-130.	Laboratory Control Sample	1060688-3

Results expressed as μg/L.

SCOEPA00024014

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 8270; Semivolatile Organics by GC/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Acenaphthene	0.006	ND	Extraction Blank	1060672-3
Acenaphthylene	0.006	ND	Extraction Blank	1060672-3
Aldrin	0.006	ND	Extraction Blank	1060672-3
Anthracene	0.006	ND	Extraction Blank	1060672-3
Benzo(a)anthracene	0.006	ND	Extraction Blank	1060672-3
Benzo(a)pyrene	0.006	ND	Extraction Blank	1060672-3
Benzo(b)fluoranthene	0.006	ND	Extraction Blank	1060672-3
Benzo(g,h,i)perylene	0.006	ND	Extraction Blank	1060672-3
Benzo(k)fluoranthene	0.006	ND	Extraction Blank	1060672-3
beta-BHC	0.006	ND	Extraction Blank	1060672-3
delta-BHC	0.006	ND	Extraction Blank	1060672-3
bis(2-Chloroethoxy)methane	0.006	ND	Extraction Blank	1060672-3
bis(2-Chloroethyl)ether	0.006	ND	Extraction Blank	1060672-3
bis(2-Chloroisopropyl)ether	0.006	ND	Extraction Blank	1060672-3
Bis(2-ethylhexyl)phthalate	0.006	ND	Extraction Blank	1060672-3
4-Bromophenyl phenyl ether	0.006	ND	Extraction Blank	1060672-3
Butyl benzyl phthalate	0.006	ND	Extraction Blank	1060672-3
4-Chloro-3-methylphenol	0.006	ND	Extraction Blank	1060672-3
2-Chloronaphthalene	0.006	ND	Extraction Blank	1060672-3

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 8270; Semivolatile Organics by GC/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
2-Chlorophenol	0.006	ND	Extraction Blank	1060672-3
4-Chlorophenyl phenyl ether	0.006	ND	Extraction Blank	1060672-3
Chrysene	0.006	ND	Extraction Blank	1060672-3
4,4-DDD	0.006	ND	Extraction Blank	1060672-3
4,4-DDE	0.006	ND	Extraction Blank	1060672-3
4,4-DDT	0.006	ND	Extraction Blank	1060672-3
Di-n-butylphthalate	0.006	ND	Extraction Blank	1060672-3
Di-n-octylphthalate	0.006	ND	Extraction Blank	1060672-3
Dibenzo(a,h)anthracene	0.006	ND	Extraction Blank	1060672-3
1,2-Dichlorobenzene	0.006	ND	Extraction Blank	1060672-3
1,4-Dichlorobenzene	0.006	ND	Extraction Blank	1060672-3
1,3-Dichlorobenzene	0.006	ND	Extraction Blank	1060672-3
2,4-Dichlorophenol	0.006	ND	Extraction Blank	1060672-3
Dieldrin	0.006	ND	Extraction Blank	1060672-3
Diethyl phthalate	0.006	ND	Extraction Blank	1060672-3
2,4-Dimethylphenol	0.006	ND	Extraction Blank	1060672-3
Dimethylphthalate	0.006	ND	Extraction Blank	1060672-3
2,4-Dinitrophenol	0.012	ND	Extraction Blank	1060672-3
2,4-Dinitrotoluene	0.006	ND	Extraction Blank	1060672-3
2,6-Dinitrotoluene	0.006	ND	Extraction Blank	1060672-3

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.

SCOEPA00024016

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 8270; Semivolatile Organics by GC/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Endosulfan sulfate	0.006	ND	Extraction Blank	1060672-3
Endrin Aldehyde	0.006	ND	Extraction Blank	1060672-3
Fluoranthene	0.006	ND	Extraction Blank	1060672-3
Fluorene	0.006	ND	Extraction Blank	1060672-3
Heptachlor	0.006	ND	Extraction Blank	1060672-3
Heptachlor epoxide	0.006	ND	Extraction Blank	1060672-3
Hexachlorobenzene	0.006	ND	Extraction Blank	1060672-3
Hexachlorobutadiene	0.006	ND	Extraction Blank	1060672-3
Hexachloroethane	0.006	ND	Extraction Blank	1060672-3
Indeno(1,2,3-cd)pyrene	0.006	ND	Extraction Blank	1060672-3
Isophorone	0.006	ND	Extraction Blank	1060672-3
2-Methyl-4,6-dinitrophenol	0.006	ND	Extraction Blank	1060672-3
N-Nitrosodi-n-propylamine	0.006	ND	Extraction Blank	1060672-3
Naphthalene	0.006	ND	Extraction Blank	1060672-3
Nitrobenzene	0.006	ND	Extraction Blank	1060672-3
4-Nitrophenol	0.006	ND	Extraction Blank	1060672-3
2-Nitrophenol	0.006	ND	Extraction Blank	1060672-3
Pentachlorophenol	0.006	ND	Extraction Blank	1060672-3
Phenanthrene	0.006	ND	Extraction Blank	1060672-3
Phenol	0.006	ND	Extraction Blank	1060672-3

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.

SCOEPA00024017

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 8270; Semivolatile Organics by GC/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Pyrene	0.006	ND	Extraction Blank	1060672-3
1,2,4-Trichlorobenzene	0.006	ND	Extraction Blank	1060672-3
2,4,6-Trichlorophenol	0.006	ND	Extraction Blank	1060672-3
2-Fluorobiphenyl (Surr.)	---	95%	Extraction Blank	1060672-3
2-Fluorophenol (Surr.)	---	55%	Extraction Blank	1060672-3
Nitrobenzene-d5 (Surr.)	---	85%	Extraction Blank	1060672-3
Phenol-d6 (Surr.)	---	38%	Extraction Blank	1060672-3
Terphenyl-d14 (Surr.)	---	115%	Extraction Blank	1060672-3
2,4,6-Tribromophenol (Surr.)	---	70%	Extraction Blank	1060672-3

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.

SCOEPA00024018

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 8270; Semivolatile Organics by GC/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Acenaphthene	0.3	ND	Extraction Blank	1060721-3
Acenaphthylene	0.3	ND	Extraction Blank	1060721-3
Aldrin	0.3	ND	Extraction Blank	1060721-3
Anthracene	0.3	ND	Extraction Blank	1060721-3
Benzo(a)anthracene	0.3	ND	Extraction Blank	1060721-3
Benzo(a)pyrene	0.3	ND	Extraction Blank	1060721-3
Benzo(b)fluoranthene	0.3	ND	Extraction Blank	1060721-3
Benzo(g,h,i)perylene	0.3	ND	Extraction Blank	1060721-3
Benzo(k)fluoranthene	0.3	ND	Extraction Blank	1060721-3
beta-BHC	0.3	ND	Extraction Blank	1060721-3
delta-BHC	0.3	ND	Extraction Blank	1060721-3
bis(2-Chloroethoxy)methane	0.3	ND	Extraction Blank	1060721-3
bis(2-Chloroethyl)ether	0.3	ND	Extraction Blank	1060721-3
bis(2-Chloroisopropyl)ether	0.3	ND	Extraction Blank	1060721-3
Bis(2-ethylhexyl)phthalate	2.	ND	Extraction Blank	1060721-3
4-Bromophenyl phenyl ether	0.3	ND	Extraction Blank	1060721-3
Butyl benzyl phthalate	1.	ND	Extraction Blank	1060721-3
4-Chloro-3-methylphenol	0.3	ND	Extraction Blank	1060721-3
2-Chloronaphthalene	0.3	ND	Extraction Blank	1060721-3

Results expressed as mg/Kg.
ND means none detected at or above the detection limit listed.

SCOEPA00024019

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 8270; Semivolatile Organics by GC/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
2-Chlorophenol	0.3	ND	Extraction Blank	1060721-3
4-Chlorophenyl phenyl ether	0.3	ND	Extraction Blank	1060721-3
Chrysene	0.3	ND	Extraction Blank	1060721-3
4,4-DDD	0.3	ND	Extraction Blank	1060721-3
4,4-DDE	0.3	ND	Extraction Blank	1060721-3
4,4-DDT	0.3	ND	Extraction Blank	1060721-3
Di-n-butylphthalate	3.	ND	Extraction Blank	1060721-3
Di-n-octylphthalate	0.3	ND	Extraction Blank	1060721-3
Dibenzo(a,h)anthracene	0.3	ND	Extraction Blank	1060721-3
1,2-Dichlorobenzene	0.3	ND	Extraction Blank	1060721-3
1,4-Dichlorobenzene	0.3	ND	Extraction Blank	1060721-3
1,3-Dichlorobenzene	0.3	ND	Extraction Blank	1060721-3
2,4-Dichlorophenol	0.3	ND	Extraction Blank	1060721-3
Dieldrin	0.3	ND	Extraction Blank	1060721-3
Diethyl phthalate	0.3	ND	Extraction Blank	1060721-3
2,4-Dimethylphenol	0.3	ND	Extraction Blank	1060721-3
Dimethylphthalate	0.3	ND	Extraction Blank	1060721-3
2,4-Dinitrophenol	0.6	ND	Extraction Blank	1060721-3
2,4-Dinitrotoluene	0.3	ND	Extraction Blank	1060721-3
2,6-Dinitrotoluene	0.3	ND	Extraction Blank	1060721-3

Results expressed as mg/Kg.
ND means none detected at or above the detection limit listed.

SCOEPA00024020

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 8270; Semivolatile Organics by GC/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Endosulfan sulfate	0.3	ND	Extraction Blank	1060721-3
Endrin Aldehyde	0.3	ND	Extraction Blank	1060721-3
Fluoranthene	0.3	ND	Extraction Blank	1060721-3
Fluorene	0.3	ND	Extraction Blank	1060721-3
Heptachlor	0.3	ND	Extraction Blank	1060721-3
Heptachlor epoxide	0.3	ND	Extraction Blank	1060721-3
Hexachlorobenzene	0.3	ND	Extraction Blank	1060721-3
Hexachlorobutadiene	0.3	ND	Extraction Blank	1060721-3
Hexachloroethane	0.3	ND	Extraction Blank	1060721-3
Indeno(1,2,3-cd)pyrene	0.3	ND	Extraction Blank	1060721-3
Isophorone	0.3	ND	Extraction Blank	1060721-3
2-Methyl-4,6-dinitrophenol	0.3	ND	Extraction Blank	1060721-3
N-Nitrosodi-n-propylamine	0.3	ND	Extraction Blank	1060721-3
Naphthalene	0.3	ND	Extraction Blank	1060721-3
Nitrobenzene	0.3	ND	Extraction Blank	1060721-3
4-Nitrophenol	0.3	ND	Extraction Blank	1060721-3
2-Nitrophenol	0.3	ND	Extraction Blank	1060721-3
Pentachlorophenol	0.3	ND	Extraction Blank	1060721-3
Phenanthrene	0.3	ND	Extraction Blank	1060721-3
Phenol	0.3	ND	Extraction Blank	1060721-3

Results expressed as mg/Kg.
ND means none detected at or above the detection limit listed.

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 8270; Semivolatile Organics by GC/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Pyrene	0.3	ND	Extraction Blank	1060721-3
1,2,4-Trichlorobenzene	0.3	ND	Extraction Blank	1060721-3
2,4,6-Trichlorophenol	0.3	ND	Extraction Blank	1060721-3
2-Fluorobiphenyl (Surr.)	---	60%	Extraction Blank	1060721-3
2-Fluorophenol (Surr.)	---	70%	Extraction Blank	1060721-3
Nitrobenzene-d5 (Surr.)	---	40%	Extraction Blank	1060721-3
Phenol-d6 (Surr.)	---	80%	Extraction Blank	1060721-3
Terphenyl-d14 (Surr.)	---	90%	Extraction Blank	1060721-3
2,4,6-Tribromophenol (Surr.)	---	80%	Extraction Blank	1060721-3

Results expressed as mg/Kg.
ND means none detected at or above the detection limit listed.

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 8270; Semivolatile Organics by GC/MS.

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Azobenzene	0.25	ND	Extraction Blank	1060721-53
1,2-Diphenylhydrazine	0.25	ND	Extraction Blank	1060721-53

Results expressed as mg/Kg.
ND means none detected at or above the detection limit listed.

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 8270; Semivolatile Organics by GC/MS.

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Acenaphthene	22.	25.	88.	48.-104.	Reagent Water Blank Spike	1060721-4
4-Chloro-3-methylphenol	21.	25.	84.	26.-103.	Reagent Water Blank Spike	1060721-4
2-Chlorophenol	20.	25.	80.	25.-102.	Reagent Water Blank Spike	1060721-4
Di-n-butylphthalate	24.	25.	96.	11.-118.	Reagent Water Blank Spike	1060721-4
1,4-Dichlorobenzene	19.	25.	76.	28.-104.	Reagent Water Blank Spike	1060721-4
2,4-Dinitrotoluene	22.	25.	88.	28.-89.	Reagent Water Blank Spike	1060721-4
N-Nitrosodi-n-propylamine	26.	25.	104.	41.-126.	Reagent Water Blank Spike	1060721-4
4-Nitrophenol	22.	25.	88.	11.-114.	Reagent Water Blank Spike	1060721-4
Pentachlorophenol	23.	25.	92.	17.-109.	Reagent Water Blank Spike	1060721-4
Phenol	21.	25.	84.	26.-90.	Reagent Water Blank Spike	1060721-4
Pyrene	22.	25.	88.	35.-142.	Reagent Water Blank Spike	1060721-4
1,2,4-Trichlorobenzene	21.	25.	84.	38.-107.	Reagent Water Blank Spike	1060721-4
2-Fluorobiphenyl (Surr.)	50%				Reagent Water Blank Spike	1060721-4
2-Fluorophenol (Surr.)	80%				Reagent Water Blank Spike	1060721-4
Phenol-d6 (Surr.)	95%				Reagent Water Blank Spike	1060721-4
Terphenyl-d14 (Surr.)	90%				Reagent Water Blank Spike	1060721-4
2,4,6-Tribromophenol (Surr.)	100%				Reagent Water Blank Spike	1060721-4
Nitrobenzene (Surr.)	38%					

Results expressed as mg/Kg.

Contol limits are based on contract laboratory practice (CLP) guidance.

SCOEPA00024024

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 8270 SIM; Polynuclear Aromatic Hydrocarbons by SIM GC/MS

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Acenaphthene	0.1	ND	Extraction Blank	1060722-9
Acenaphthylene	0.1	ND	Extraction Blank	1060722-9
Anthracene	0.1	ND	Extraction Blank	1060722-9
Benzo(a)anthracene	0.1	ND	Extraction Blank	1060722-9
Benzo(a)pyrene	0.1	ND	Extraction Blank	1060722-9
Benzo(b)fluoranthene	0.1	ND	Extraction Blank	1060722-9
Benzo(g,h,i)perylene	0.1	ND	Extraction Blank	1060722-9
Benzo(k)fluoranthene	0.1	ND	Extraction Blank	1060722-9
Chrysene	0.1	ND	Extraction Blank	1060722-9
Dibenzo(a,h)anthracene	0.1	ND	Extraction Blank	1060722-9
Fluoranthene	0.1	ND	Extraction Blank	1060722-9
Fluorene	0.1	ND	Extraction Blank	1060722-9
Indeno(1,2,3-cd)pyrene	0.1	ND	Extraction Blank	1060722-9
Naphthalene	0.1	ND	Extraction Blank	1060722-9
Phenanthrene	0.1	ND	Extraction Blank	1060722-9
Pyrene	0.1	ND	Extraction Blank	1060722-9
Decafluorobiphenol (Surr.)	---	70%	Extraction Blank	1060722-9

Results expressed as μg/L.
ND means none detected at or above the detection limit listed.

SCOEPA00024025

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 8270 SIM; Polynuclear Aromatic Hydrocarbons by SIM GC/MS

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Acenaphthene	0.017	ND	Extraction Blank	1060722-12
Acenaphthylene	0.017	ND	Extraction Blank	1060722-12
Anthracene	0.017	ND	Extraction Blank	1060722-12
Benzo(a)anthracene	0.017	ND	Extraction Blank	1060722-12
Benzo(a)pyrene	0.017	ND	Extraction Blank	1060722-12
Benzo(b)fluoranthene	0.017	ND	Extraction Blank	1060722-12
Benzo(g,h,i)perylene	0.017	ND	Extraction Blank	1060722-12
Benzo(k)fluoranthene	0.017	ND	Extraction Blank	1060722-12
Chrysene	0.017	ND	Extraction Blank	1060722-12
Dibenzo(a,h)anthracene	0.017	ND	Extraction Blank	1060722-12
Fluoranthene	0.017	ND	Extraction Blank	1060722-12
Fluorene	0.017	ND	Extraction Blank	1060722-12
Indeno(1,2,3-cd)pyrene	0.017	ND	Extraction Blank	1060722-12
Naphthalene	0.017	ND	Extraction Blank	1060722-12
Phenanthrene	0.017	ND	Extraction Blank	1060722-12
Pyrene	0.017	ND	Extraction Blank	1060722-12
Decafluorobiphenol (Surr.)	---	97%	Extraction Blank	1060722-12

Results expressed as mg/Kg.
ND means none detected at or above the detection limit listed.

SCOEPA00024026

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Method: EPA 8270 SIM; Polynuclear Aromatic Hydrocarbons by SIM GC/MS

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Acenaphthene	0.4	0.4	100.	50.-150.	Reagent Water Blank Spike	1060722-10
Acenaphthylene	0.4	0.4	100.	50.-150.	Reagent Water Blank Spike	1060722-10
Anthracene	0.4	0.4	100.	50.-150.	Reagent Water Blank Spike	1060722-10
Benzo(a)anthracene	0.4	0.4	100.	50.-150.	Reagent Water Blank Spike	1060722-10
Benzo(a)pyrene	0.4	0.4	100.	50.-150.	Reagent Water Blank Spike	1060722-10
Benzo(b)fluoranthene	0.5	0.4	125.	50.-150.	Reagent Water Blank Spike	1060722-10
Benzo(g,h,i)perylene	0.6	0.4	150.	50.-150.	Reagent Water Blank Spike	1060722-10
Benzo(k)fluoranthene	0.4	0.4	100.	50.-150.	Reagent Water Blank Spike	1060722-10
Chrysene	0.4	0.4	100.	50.-150.	Reagent Water Blank Spike	1060722-10
Dibenzo(a,h)anthracene	0.5	0.4	125.	50.-150.	Reagent Water Blank Spike	1060722-10
Fluoranthene	0.4	0.4	100.	50.-150.	Reagent Water Blank Spike	1060722-10
Fluorene	0.4	0.4	100.	50.-150.	Reagent Water Blank Spike	1060722-10
Indeno(1,2,3-cd)pyrene	0.5	0.4	125.	50.-150.	Reagent Water Blank Spike	1060722-10
Naphthalene	0.4	0.4	100.	50.-150.	Reagent Water Blank Spike	1060722-10
Phenanthrene	0.4	0.4	100.	50.-150.	Reagent Water Blank Spike	1060722-10
Pyrene	0.5	0.4	125.	50.-150.	Reagent Water Blank Spike	1060722-10
Decafluorobiphenol (Surr.)	80%				Reagent Water Blank Spike	1060722-10

Results expressed as μg/L.

SCOEPA00024027

Calibration Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: EPA 8270 SIM; Polynuclear Aromatic Hydrocarbons by SIM GC/MS

Analyte	Verification Result	Theoretical Result	Percent Recovery	Percent Recovery Control Limit	Data Type	Batch Identification
Acenaphthene	0.03	0.026	115.	50.-150.	Reagent Water Blank Spike	1060722-13
Acenaphthylene	0.03	0.026	115.	50.-150.	Reagent Water Blank Spike	1060722-13
Anthracene	0.02	0.026	78.	50.-150.	Reagent Water Blank Spike	1060722-13
Benzo(a)anthracene	0.03	0.026	115.	50.-150.	Reagent Water Blank Spike	1060722-13
Benzo(a)pyrene	0.02	0.026	78.	50.-150.	Reagent Water Blank Spike	1060722-13
Benzo(b)fluoranthene	0.03	0.026	115.	50.-150.	Reagent Water Blank Spike	1060722-13
Benzo(g,h,i)perylene	0.04	0.026	150.	50.-150.	Reagent Water Blank Spike	1060722-13
Benzo(k)fluoranthene	0.02	0.026	78.	50.-150.	Reagent Water Blank Spike	1060722-13
Chrysene	0.03	0.026	115.	50.-150.	Reagent Water Blank Spike	1060722-13
Dibenzo(a,h)anthracene	0.03	0.026	115.	50.-150.	Reagent Water Blank Spike	1060722-13
Fluoranthene	0.03	0.026	115.	50.-150.	Reagent Water Blank Spike	1060722-13
Fluorene	0.03	0.026	115.	50.-150.	Reagent Water Blank Spike	1060722-13
Indeno(1,2,3-cd)pyrene	0.03	0.026	115.	50.-150.	Reagent Water Blank Spike	1060722-13
Naphthalene	0.03	0.026	115.	50.-150.	Reagent Water Blank Spike	1060722-13
Phenanthrene	0.03	0.026	115.	50.-150.	Reagent Water Blank Spike	1060722-13
Pyrene	0.03	0.026	115.	50.-150.	Reagent Water Blank Spike	1060722-13
Decafluorobiphenol (Surr.)	90%				Reagent Water Blank Spike	1060722-13

Results expressed as mg/Kg.

SCOEPA00024028

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: NW TPH-Dx; TPH quantitative semi-volatile petroleum products

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Diesel	50.	ND	Extraction Blank	1060787-1
Hydrocarbons heavier than C24	100.	ND	Extraction Blank	1060787-1
o-Terphenyl (Surr.)	---	110.%	Extraction Blank	1060787-1

Results expressed as mg/Kg.
ND means none detected at or above the detection limit listed.

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Calibration Blank Verification Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Method: NW TPH-Dx; TPH quantitative semi-volatile petroleum products

Analyte	Detection Limit	Blank Verification Verification Result	Data Type	Batch Identification
Diesel	0.12	ND	Extraction Blank	1060787-6
Hydrocarbons heavier than C24	0.25	ND	Extraction Blank	1060787-6
o-Terphenyl (Surr.)	---	90.%	Extraction Blank	1060787-6

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.

COFFEY LABORATORIES, INC.
12423 [redacted] Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 25[redacted]52

Sample Duplicate, Matrix Spike & Matrix Spike Duplicate
Summary Report

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Quality Control Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

Analyte	Batch ID	Method Number	Sample Result	Duplicate Result	RPD	Control Limit
Total Organic Carbon	1070042-2	EPA 415.1	13000.E	10000.E	26.*	<20.

Results expressed as mg/Kg.
ND means none detected at or above the detection limit listed. NA means "Not Applicable".
RPD means "Relative Percent Difference".
* Outside the quality control limit, however, both results are estimated concentrations above the calibration curve.

SCOEPA00024032

Quality Control Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

Analyte	Batch ID	Method Number	Sample Result	Duplicate Result	RPD	Control Limit
Acenaphthene	1060721-5	EPA 8270	ND	ND	NA	<30.
Acenaphthylene	1060721-5	EPA 8270	ND	ND	NA	<30.
Aldrin	1060721-5	EPA 8270	ND	ND	NA	<30.
Anthracene	1060721-5	EPA 8270	ND	ND	NA	<30.
Benzo(a)anthracene	1060721-5	EPA 8270	ND	ND	NA	<30.
Benzo(a)pyrene	1060721-5	EPA 8270	ND	ND	NA	<30.
Benzo(b)fluoranthene	1060721-5	EPA 8270	ND	ND	NA	<30.
Benzo(g,h,i)perylene	1060721-5	EPA 8270	ND	ND	NA	<30.
Benzo(k)fluoranthene	1060721-5	EPA 8270	ND	ND	NA	<30.
beta-BHC	1060721-5	EPA 8270	ND	ND	NA	<30.
delta-BHC	1060721-5	EPA 8270	ND	ND	NA	<30.
bis(2-Chloroethoxy)methane	1060721-5	EPA 8270	ND	ND	NA	<30
bis(2-Chloroethyl)ether	1060721-5	EPA 8270	ND	ND	NA	<30.
bis(2-Chloroisopropyl)ether	1060721-5	EPA 8270	ND	ND	NA	<30.
Bis(2-ethylhexyl)phthalate	1060721-5	EPA 8270	ND	ND	NA	<30.
4-Bromophenyl phenyl ether	1060721-5	EPA 8270	ND	ND	NA	<30.
Butyl benzyl phthalate	1060721-5	EPA 8270	ND	ND	NA	<30.

Results expressed as mg/Kg.
ND means none detected at or above the detection limit listed. NA means "Not Applicable".
RPD means "Relative Percent Difference".

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Quality Control Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

Analyte	Batch ID	Method Number	Sample Result	Duplicate Result	RPD	Control Limit
4-Chloro-3-methylphenol	1060721-5	EPA 8270	ND	ND	NA	<30.
2-Chloronaphthalene	1060721-5	EPA 8270	ND	ND	NA	<30.
2-Chlorophenol	1060721-5	EPA 8270	ND	ND	NA	<30.
4-Chlorophenyl phenyl ether	1060721-5	EPA 8270	ND	ND	NA	<30.
Chrysene	1060721-5	EPA 8270	ND	ND	NA	<30.
4,4-DDD	1060721-5	EPA 8270	ND	ND	NA	<30.
4,4-DDE	1060721-5	EPA 8270	ND	ND	NA	<30.
4,4-DDT	1060721-5	EPA 8270	ND	ND	NA	<30.
Di-n-butylphthalate	1060721-5	EPA 8270	ND	ND	NA	<30.
Di-n-octylphthalate	1060721-5	EPA 8270	ND	ND	NA	<30.
Dibenzo(a,h)anthracene	1060721-5	EPA 8270	ND	ND	NA	<30.
1,2-Dichlorobenzene	1060721-5	EPA 8270	ND	ND	NA	<30.
1,4-Dichlorobenzene	1060721-5	EPA 8270	ND	ND	NA	<30.
1,3-Dichlorobenzene	1060721-5	EPA 8270	ND	ND	NA	<30.
2,4-Dichlorophenol	1060721-5	EPA 8270	ND	ND	NA	<30.
Dieldrin	1060721-5	EPA 8270	ND	ND	NA	<30.
Diethyl phthalate	1060721-5	EPA 8270	ND	ND	NA	<30.
2,4-Dimethylphenol	1060721-5	EPA 8270	ND	ND	NA	<30.

Results expressed as mg/Kg.
ND means none detected at or above the detection limit listed. NA means "Not Applicable".
RPD means "Relative Percent Difference".

SCOEPA00024034

Quality Control Report
For Job Number: A10621BI

Wacker Siltronic

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

Analyte	Batch ID	Method Number	Sample Result	Duplicate Result	RPD	Control Limit
Dimethylphthalate	1060721-5	EPA 8270	ND	ND	NA	<30.
2,4-Dinitrophenol	1060721-5	EPA 8270	ND	ND	NA	<30.
2,4-Dinitrotoluene	1060721-5	EPA 8270	ND	ND	NA	<30.
2,6-Dinitrotoluene	1060721-5	EPA 8270	ND	ND	NA	<30.
Endosulfan sulfate	1060721-5	EPA 8270	ND	ND	NA	<30.
Endrin Aldehyde	1060721-5	EPA 8270	ND	ND	NA	<30.
Fluoranthene	1060721-5	EPA 8270	ND	ND	NA	<30.
Fluorene	1060721-5	EPA 8270	ND	ND	NA	<30.
Heptachlor	1060721-5	EPA 8270	ND	ND	NA	<30.
Heptachlor epoxide	1060721-5	EPA 8270	ND	ND	NA	<30.
Hexachlorobenzene	1060721-5	EPA 8270	ND	ND	NA	<30.
Hexachlorobutadiene	1060721-5	EPA 8270	ND	ND	NA	<30.
Hexachloroethane	1060721-5	EPA 8270	ND	ND	NA	<30.
Indeno(1,2,3-cd)pyrene	1060721-5	EPA 8270	ND	ND	NA	<30.
Isophorone	1060721-5	EPA 8270	ND	ND	NA	<30.
2-Methyl-4,6-dinitrophenol	1060721-5	EPA 8270	ND	ND	NA	<30
N-Nitrosodi-n-propylamine	1060721-5	EPA 8270	ND	ND	NA	<30.
Naphthalene	1060721-5	EPA 8270	ND	ND	NA	<30.

Results expressed as mg/Kg.
ND means none detected at or above the detection limit listed. NA means "Not Applicable".
RPD means "Relative Percent Difference".

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Quality Control Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

Analyte	Batch ID	Method Number	Sample Result	Duplicate Result	RPD	Control Limit
Nitrobenzene	1060721-5	EPA 8270	ND	ND	NA	<30.
4-Nitrophenol	1060721-5	EPA 8270	ND	ND	NA	<30.
2-Nitrophenol	1060721-5	EPA 8270	ND	ND	NA	<30.
Pentachlorophenol	1060721-5	EPA 8270	ND	ND	NA	<30.
Phenanthrene	1060721-5	EPA 8270	ND	ND	NA	<30.
Phenol	1060721-5	EPA 8270	ND	ND	NA	<30.
Pyrene	1060721-5	EPA 8270	ND	ND	NA	<30.
1,2,4-Trichlorobenzene	1060721-5	EPA 8270	ND	ND	NA	<30.
2,4,6-Trichlorophenol	1060721-5	EPA 8270	ND	ND	NA	<30.
Azobenzene	1060721-5	EPA 8270	ND	ND	NA	<30.
1,2-Diphenylhydrazine	1060721-5	EPA 8270	ND	ND	NA	<30.
2-Fluorobiphenyl (Surr.)	1060721-5	EPA 8270	Diluted	Diluted	NA	--
2-Fluorophenol (Surr.)	1060721-5	EPA 8270	Diluted	Diluted	NA	--
Nitrobenzene-d5 (Surr.)	1060721-5	EPA 8270	Diluted	Diluted	NA	--
Phenol-d6 (Surr.)	1060721-5	EPA 8270	Diluted	Diluted	NA	--
Terphenyl-d14 (Surr.)	1060721-5	EPA 8270	Diluted	Diluted	NA	--
2,4,6-Tribromophenol (Surr.)	1060721-5	EPA 8270	Diluted	Diluted	NA	--

Results expressed as mg/Kg.
ND means none detected at or above the detection limit listed. NA means "Not Applicable".
RPD means "Relative Percent Difference".

SCOEPA00024036

Quality Control Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Lab Sample ID: N/A
Field ID: N/A
Date/Time: N/A
Matrix: Water

Analyte	Batch ID	Sample Result	MS Result	MSD Result	Amount Spiked	RPD	Percent Recovery	Percent Recovery Control Limit	MS/MSD RPD Control Limit
Mercury*	1060638-4	ND	0.5	0.5	0.5	0.	100. 100.	75.-125.	<35.
Total Organic Carbon*	1060772-6	1.6	10.5	---	10.	---	89.	75.-125.	---

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.
RPD means "Relative Percent Difference".
MS means "Matrix Spike". MSD means "Matrix Spike Duplicate".
*Sample used for Matrix Spike was from a different source.

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Quality Control Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Lab Sample ID: N/A
Field ID: N/A
Date/Time: N/A
Matrix: Water

Analyte	Batch ID	Sample Result	MS Result	MSD Result	Amount Spiked	RPD	Percent Recovery	Percent Recovery Control Limit	MS/MSD RPD Control Limit
Benzene*	1060688-10	ND	25.	25.	25.	0.	100. 100.	70.-130.	≤25.
Chlorobenzene*	1060688-10	ND	24.	23.	25.	4.	96. 92.	70.-130.	≤25.
1,1-Dichloroethene*	1060688-10	ND	27.	27.	25.	0.	108. 108.	70.-130.	≤25.
Toluene*	1060688-10	93.	117.	118.	25.	4.	96. 100.	70.-130.	≤25.
Trichloroethene*	1060688-10	ND	25.	25.	25.	0.	100. 100.	70.-130.	≤25.

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.
RPD means "Relative Percent Difference".
MS means "Matrix Spike". MSD means "Matrix Spike Duplicate".
*Sample used for Matrix Spike was from a different source.

SCOEPA00024038

Quality Control Report
For Job Number: A10621BI

Wacker Siltronic

Lab Sample ID: N/A
Field ID: N/A
Date/Time: N/A
Matrix: Water

Analyte	Batch ID	Sample Result	MS Result	Amount Spiked	Percent Recovery	Percent Recovery Control Limit	MS/MSD RPD Control Limit
Iron*	1060774-39	0.38	2.3	2.	97.	75.-125.	---
Magnesium*	1060774-39	9.9	12.	2.	100.	75.-125.	---
Manganese*	1060774-39	1.1	3.	2.	94.	75.-125.	---
Antimony*	1060693-8	ND	0.045	0.05	89.	75.-125.	---
Arsenic*	1060693-8	ND	0.054	0.05	107.	75.-125.	---
Barium*	1060693-8	0.019	0.069	0.05	99.	75.-125.	---
Cadmium*	1060693-8	ND	0.050	0.05	100.	75.-125.	---
Chromium*	1060693-8	ND	0.049	0.05	98.	75.-125.	---
Cobalt*	1060693-8	0.0001	0.046	0.05	93.	75.-125.	---
Copper*	1060693-8	0.012	0.057	0.05	91.	75.-125.	---
Lead*	1060693-8	0.0005	0.051	0.05	101.	75.-125.	---
Nickel*	1060693-8	ND	0.046	0.05	91.	75.-125.	---
Selenium*	1060693-8	ND	0.05	0.05	100.	75.-125.	---
Silver*	1060693-8	ND	0.022	0.025	88.	75.-125.	---
Thallium*	1060693-8	ND	0.051	0.05	102.	75.-125.	---
Titanium*	1060693-8	0.003	0.052	0.05	98.	75.-125.	---
Vanadium*	1060693-8	0.0063	0.054	0.05	96.	75.-125.	---
Zinc*	1060693-8	0.064	0.11	0.05	93.	75.-125.	---

Results expressed as mg/L.
ND means none detected at or above the detection limit listed.
RPD means "Relative Percent Difference".
MS means "Matrix Spike". MSD means "Matrix Spike Duplicate".
*Sample used for Matrix Spike was from a different source.

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Quality Control Report
For Job Number: A10621BI

Wacker Siltronic

Report Date: March 5, 2002

Lab Sample ID: A10621BI-3
Field ID: CLI Composite 1-2
Date/Time: 06/19/01 COMP
Matrix: Soil

Analyte	Batch ID	Sample Result	MS Result	MSD Result	Amount Spiked	RPD	Percent Recovery	Percent Recovery Control Limit	MS/MSD RPD Control Limit
Mercury	1060636-5	0.02	0.31	0.38	0.5	20.	69.* 72.*	75.-125.	<25.

Results expressed as mg/Kg.
ND means none detected at or above the detection limit listed.
RPD means "Relative Percent Difference".
MS means "Matrix Spike". MSD means "Matrix Spike Duplicate".
* Outside the quality control limits indicating matrix interference.

SCOEPA00024040

COFFEY LABORATORIES, INC.
CHAIN OF CUSTODY AGREEMENT

CENTRAL OREGON BRANCH
827 SW 7th
Redmond, OR 97756
PHONE/FAX (541) 548-0972

CORPORATE HEADQUARTERS
12423 NE Whitaker Way
Portland, OR 97230
(503) 254-1794 FAX: (503) 254-1452

EASTERN OREGON BRANCH
419 SW 5th
Pendleton, OR 97801
PHONE/FAX (541) 276-0385

Report Attention: Tom Rothschild
Company Name: Wacker Siltronic
Mailing Address: 7200 N.W. Front Ave
Portland, OR
Phone: (503) 219-7374 FAX: (503) 417-4144

Report Instructions (Special - Additional- Job Specific):

PO Number: 4500075102
Project Number: 01-71-72
Project Name:
EPA Protocol Containers: (Y)/N Other:

Sample Turnaround
- [x] Standard
- [ ] Priority (Additonal Fee)
- [ ] Rush (Additional Fee)
- [ ] Emergency (Additional Fee)

Reporting Request
- [ ] State Compliance Format
- [ ] FAX Results - Preliminary
- [x] FAX Results-Final
- [ ] Verbals Results
- [ ] Extra Report Copy (Fees Associated)

Initials: Di

FOR LABORATORY USE ONLY Page ___ of ___
Job Number: GE410621BI-4
Custabbr: Wackersilt ☐NEW
☐ VISA ☐ M/C Cardholder:
Card #: Exp: / /
Cash / Check / CC:$ #:
Billing Code: 1 2 3 4
QC LEVEL: 1 2 3 4
FEDX BUS COURIERS UPS LAB CLIENT MAIL AIR

Sample ID	Loc.	ID	#	Collection Date	Collection Time	Media	Analysis Requested	Test/ Profile
01-71-a-b- Di	04	1n	3	6.19.01	1400	Soil	NW-TPH Dx, EPA: 8021B, 8260B	
		2n					8270C, 8270 SIM, 6010/200.7 *	
CLI Composite 1-2		3n					7470.A, 415.1 and 9010.	
01-72		4n	1	6.19.01	1400	liquid	NW-TPH Dx, EPA: 8021B, 8260B	
							8270C, 8270 SIM, 6010/200.7*	
							7470A, 415.1 and 9010.	
Run these metals per Diane Irish							*AgAsBaCdCrOcCuMgMn NiPbSbSeTlTiVZn - mgk	

Sampled By: Tom McCue Jim Claxton
AUTHORIZED CUSTOMER SIGNATURE Dianne Irish DATE: June 19 - 01

Sample Comments	Relinquished by: (Please Sign)	Date	Time	Received by: (Sign)	Date	Time
* See attached sheet for method detail. Please call for needed Clarification	Jim Claxton	6/19/01	2:23	Dianne Irish	6/19/01	2:23
	[signature]	6/19/01	2:23	LAB [signature]	6/21/01	1015

White Copy-Laboratory Yellow Copy - Customer

COMPLETE THIS FORM PER INSTRUCTIONS ON REVERSE SIDE

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO CLI WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THE CLIENT COPY.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Wacker Siltronic Corporation
ADDRESS PO Box 83180
Portland, OR 97283-0810
FACILITY 7200 NW Front Ave.
LOCATION Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(3-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
2002	2	1	2002	2	28

(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	945,000	1,056,000	gal/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	37.5	46.3	lbs/day	--	4.8	6.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	339	753		--	15	30				
TSS	SAMPLE MEASUREMENT	11.8	18.0	lbs/day	--	1.5	2.3	mg/l		1/7	24HC
	PERMIT REQUIREMENT	520	1532		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			lbs/day	--			mg/l		Batch	
	PERMIT REQUIREMENT	0.11	0.27		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	< 0.01	< 0.01	lbs/day	--	<0.01	<0.01	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	54.4	57.8	lbs/day	--	6.9	7.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	393	804		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	23	61				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years)

Wacker Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 02 MO 3 DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
Chromic Waste is no longer being treated on site.

ER 009

SCOEPA00024042

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Wacker Siltronic Corporation
ADDRESS PO Box 83180
Portland, OR 97283-0810
FACILITY 7200 NW Front Ave.
LOCATION Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(3-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2002	2	1	TO	2002	2	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	lbs/day	--	--	< 0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to $10,000 and up to maximum imprisonment of between 6 months and 5 years)

Wacker Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 02 | MO 3 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024043

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Wacker Siltronic Corporation
ADDRESS PO Box 83180
Portland, OR 97283-0810

FACILITY 7200 NW Front Ave.
LOCATION Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2002	2	1	TO	2002	2	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	121,000	221,000	gal/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	2.0	5.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to $10,000 and up to maximum imprisonment of between 6 months and 5 years)

Wacker Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 02 | MO 3 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024044

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Wacker Siltronic Corporation
ADDRESS PO Box 83180
Portland, OR 97283-0810
FACILITY 7200 NW Front Ave.
LOCATION Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 003

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2002	2	1	TO	2002	2	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	1,066,000	1,277,000	gal/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	65.5	°F		1/7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	>6.0	7.2	<9.0			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to $10,000 per violation, imprisonment of between 6 months and 5 years).

Wacker Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 02 | MO 3 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024045

WACKER
Wacker Siltronic Corporation

March 6, 2002 ER:007 JWC

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

Dear Mr. Dean,

Enclosed is the February 2002 Industrial Discharge Report for Wacker Siltronic Corporation Municipal Discharge Permit 469-01. Wacker Siltronic has operated in compliance with the Permit for this reporting period.

January 17, 2002, we informed you that Wacker would be testing a new chemical in February that contains Digallic Acid (proprietary CAS#) which is harmful to fish in low concentrations. The test was performed February 12, 2002. Less than three gallons of the test chemical were used over a 15-minute period and all waste was sent to the City POTW though Wacker's OWW waste system.

An average concentration of digallic acid in the OWW waste steam during the 15-minute testing time can be calculated by:

- < 3 gallons of test chemical used in 15 minutes
- Test material is 15% digallic acid
- Average OWW flow rate is 431.6 gal/min

$$\frac{(<3\ \text{gal})(15\%)(10{,}000\ \text{ppm})}{(15\ \text{min})(431.6\ \text{gal/min})(1\%)} = <70\text{ppm as digallic acid}$$

If you have any questions, please contact Jim Claxton @ 503-219-7313

Regards,

WACKER SILTRONIC CORPORATION

Thomas C. McCue
Environmental Manager

enclosure:
(1) Industrial Discharge Report
cc: Tom Rothschild
POTW-IDR File

Wacker Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00024046

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Wacker Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: **March 15, 2002**

SAMPLING PERIOD: February, 2002

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	861	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No Excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

FOR WACKER SILTRONIC CORP.:

Signature: Thomas G McCann Date: 3/11/02

S:\CUSTOMER\IU-W\Wacker Siltronic\INSP-MON\2002 C pH SMR.dot

WACKER
Wacker Siltronic Corporation

February 11, 2002 ER:004 JWC

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

Dear Mr. Dean,

Enclosed is the January 2002 Industrial Discharge Report for Wacker Siltronic Corporation Municipal Discharge Permit 469-01. Wacker Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton @ 503-219-7313

Regards,

WACKER SILTRONIC CORPORATION

Thomas C. McCue
Environmental Manager

enclosure:
(1) Industrial Discharge Report

cc: Tom Rothschild
POTW-IDR File

Wacker Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676
Phone (503) 243-2020
TDD (503) 241-7519

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Wacker Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: **February 15, 2002**

SAMPLING PERIOD: January, 2002

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By:
Comments:	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	861	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No Excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

FOR WACKER SILTRONIC CORP.:

Signature: Thomas C. McCue Date: 2/11/02

Thomas C. McCue, Manager of Environmental Engineering

S:\CUSTOMER\IU-W\Wacker Siltronic\INSP-MON\2002 C pH SMR.dot

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Wacker Siltronic Corporation
ADDRESS PO Box 83180
Portland, OR 97283-0810

FACILITY 7200 NW Front Ave.
LOCATION Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (12-19)

101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	1	1	TO	02	1	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-65)	FREQUENCY OF ANALYSIS (66-69)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	909,000	1,018,000	gal/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	37.9	45.5	lbs/day	--	4.8	6.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	339	753		--	15	30				
TSS	SAMPLE MEASUREMENT	15.1	17.5	lbs/day	--	1.9	2.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	520	1532		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			lbs/day	--			mg/l		Batch	
	PERMIT REQUIREMENT	0.11	0.27		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.01	0.02	lbs/day	--	<0.01	<0.01	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	50.4	59.8	lbs/day	--	6.4	7.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	393	804		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.4	1.8	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	23	61				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and up to additional imprisonment of between 6 months and 5 years).

Wacker Siltronic Corp. by:
Thomas McCue
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 02 | MO 2 | DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
(1) Chrome batches are no longer being treated on site.

ER:005

SCOEPA00024050

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Wacker Siltronic Corporation
ADDRESS PO Box 83180
Portland, OR 97283-0810
FACILITY 7200 NW Front Ave.
LOCATION Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16)
101128 — PERMIT NUMBER
Outfall 001 — DISCHARGE NUMBER
(17-19)

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	1	1	TO	02	1	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	lbs/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and maximum imprisonment of between 6 months and 5 years.)

Wacker Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 02 | MO 2 | DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024051

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Wacker Siltronic Corporation
ADDRESS PO Box 83180
Portland, OR 97283-0810

FACILITY 7200 NW Front Ave.
LOCATION Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
101128	Outfall 002

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	1	1	TO	02	1	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	101,000	166,000	gal/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.1	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	2.0	5.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and maximum imprisonment of between 6 months and 5 years)

Wacker Siltronic Corp. by:
Thomas C. McCue
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	02	2	11
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024052

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Wacker Siltronic Corporation
ADDRESS PO Box 83180
Portland, OR 97283-0810

FACILITY 7200 NW Front Ave.
LOCATION Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16)

101128
PERMIT NUMBER

Outfall 003
DISCHARGE NUMBER
(17-19)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	1	1	TO	02	1	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	1,010,000	1,129,000	gal/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	64	°F		1/7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	>6.0	7.1	<9.0			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Wacker Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 02 | MO 2 | DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA Form 3320-1 (Rev. 8-88) Previous editions may be used. (REPLACES EPA FORM T-44 WHICH MAY NOT BE USED.)

SCOEPA00024053

WACKER
Wacker Siltronic Corporation

Department of Environmental Quality
Northwest Region
2020 SW Fourth Avenue, Suite 400
Portland, OR 97201-5884

February 11, 2002 ER003:MB

Subject: 2001 Air Emissions Report
ACDP No. 26-3002

Enclosed are one original and two copies of the Annual Report for Wacker Siltronic Corporation required under our Air Contaminant Discharge Permit (ACDP). The Report of Excess Emissions is included in the body of the Annual Report.

One air inspection, on December 3, 2001, was performed on our facility. No compliance issues were identified as a result of the inspection and no follow-up action was required.

No upset condition incidents were reported to DEQ in 2001.

We estimated 2001 emissions using AP-42 emission factors, natural gas usage (for boilers) and hours of operation (for generators).

If you have any questions, please call Myron Burr at 503-219-7832.

Very truly yours,

WACKER SILTRONIC COPRORATION

Thomas C. McCue
Environmental Manager

Cc;
2001 Air Report file
2002 Correspondence file

Wacker Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00024054

Wacker Siltronic Corporation
Annual Report for 2001
ACDP No. 26-3002

13a. Quantity of natural gas and diesel oil burned on an annual basis, and resulting criteria pollutant annual emissions:

Natural gas burned: 187.40 million cubic feet

Diesel burned: 889 gallons

Resulting criteria pollutant annual emissions:

Particulate	0.29 tons
CO	3.33 tons
NOx	13.36 tons
SOx	0.08 tons
VOC	0.55 tons

13b. Annual wafer manufacturing NOx emissions:

NOx	7.77 tons

13c. The amount of VOCs emitted on an annual basis:

VOCs	12.12 tons

(includes VOCs from fuel burning and unrecovered VOCs from chemicals used)

13d. The amount of VOC cleaning solvent emitted each month:

January	0.94 tons
February	1.00 tons
March	1.07 tons
April	0.53 tons
May	0.85 tons
June	0.81 tons
July	0.53 tons
August	0.52 tons
September	0.34 tons
October	0.63 tons
November	0.89 tons
December	0.53 tons

Wacker Siltronic Corporation
Annual Report for 2001
ACDP No. 26-3002

13e. The amount of VOC used and amount of VOC waste collected on annual basis:

VOC used	16.16 tons
VOC waste collected	4.59 tons

13f. Emergency diesel generator total hours of operation:

293.49 hours
(includes 25 KW and 100 KW rental generator hours)

13g. Log of all planned and unplanned excess emissions in accordance with OAR 340-28-1440:

None.

13h. List all major maintenance performed on air pollution equipment:

4/4/01 Refurbish Hazardous Production Materials (HPM) scrubber fan
4/4/01 Refurbish trichlorosilane exhaust fan

WACKER
Wacker Siltronic Corporation

January 10, 2002 ER:001 JWC

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

Dear Mr. Dean,

Enclosed is the December 2001 Industrial Discharge Report for Wacker Siltronic Corporation Municipal Discharge Permit 469-01. Wacker Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton @ 503-219-7313

Regards,

WACKER SILTRONIC CORPORATION

Thomas C. McCue
Environmental Manager

enclosure:
(1) Industrial Discharge Report

cc: Tom Rothschild
POTW-IDR File

Wacker Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676
Phone (503) 243-2020
TDD (503) 241-7519

A QS-9000 and ISO 14001 Certified Corporation

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Wacker Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: **JANUARY 15, 2002**

SAMPLING PERIOD: October - December, 2001

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By:
Comments:	

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
December 2001	#1B (Fab 2)	GRAB

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
pH	No excursions	SU	-	5.0 - 11.5	N/A	
TTOs (Volatiles)	EPA 8260/8270	< 0.02 mg/L	0.02	1.37 mg/L	N/A	SEE CERTIFICATION STATEMENT BELOW

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	COMPOSITE

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
Arsenic (Total)	EPA 200.8	< 0.05 mg/L	0.05	0.2 mg/L	0.83 mg/L	
Total Suspended Solids	EPA 160.2	138 mg/L	0.1	N/A	N/A	

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to the control authority.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

FOR WACKER SILTRONIC CORP.:

Signature: Thomas G McCune Date: 1/10/02

SCOEPA00024058

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Wacker Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: **January 15, 2002**

SAMPLING PERIOD: December, 2001

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By

Comments:

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	861	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

FOR WACKER SILTRONIC CORP.:

Signature: Thomas C McCune Date: 1/10/02

S:\CUSTOMER\IU-W\Wacker Siltronic\INSP-MON\2001 C pH SMR.dot

COFFEY LABORATORIES, INC.
CHAIN OF CUSTODY AGREEMENT

CENTRAL OREGON BRANCH
827 SW 7th
Redmond, OR 97756
PHONE/FAX (541) 548-0972

CORPORATE HEADQUARTERS
12423 NE Whitaker Way
Portland, OR 97230
(503) 254-1794 FAX: (503) 254-1452

EASTERN OREGON BRANCH
419 SW 5th
Pendleton, OR 97801
PHONE/FAX (541) 276-0385

Report Attention: Tom Rothschild
Company Name: Wacker Siltronic
Mailing Address: 7200 N.W. Front Ave
Portland, OR
Phone: (503) 219-7324 FAX: (503) 417-4144

Report Instructions (Special - Additional- Job Specific):

PO Number: 4500075702
Project Number: 01-130~133
Project Name:
EPA Protocol Containers: Y/N Other:

Sample Turnaround
- [x] Standard
- [ ] Priority (Additonal Fee)
- [ ] Rush (Additional Fee)
- [ ] Emergency (Additional Fee)

Initials: DT

Reporting Request
- [ ] State Compliance Format
- [ ] FAX Results - Preliminary
- [x] FAX Results-Final
- [ ] Verbals Results
- [ ] Extra Report Copy (Fees Associated)

FOR LABORATORY USE ONLY Page ____ of ____
Job Number:
Custabbr: ☐NEW
☐ VISA ☐ M/C Cardholder:
Card #: Exp: / /
Cash / Check / CC:$ #:
Billing Code: 1 2 3 4
QC LEVEL: 1 2 3 4
FEDX BUS COURIERS UPS LAB CLIENT MAIL AIR

Sample ID	Loc.	ID	#	Collection Date	Time	Media	Analysis Requested	Test/ Profile
01-130				12-6-01	0736		BOD, Cr(T)@	
01-131				12-6-01	0730		8260, 8270, 1-2 Diphenylhydrazine	
01-132				12-6-01	0730		Total-As	
01-133				12-6-01	0730		8260, 8270 - 1-2 Diphenylhydrazine @ IPA	
~~01-134~~								

Sampled By: Dianne Irish
AUTHORIZED CUSTOMER SIGNATURE: Dianne Irish DATE: 12-6-01

Sample Comments	Relinquished by: (Please Sign)	Date	Time	Received by: (Sign)	Date	Time
Cr(T): use ~~1ppb~~ 0.001 ppm IPA: use 1.0 ppm	Dianne Irish	12-6-01	0930		12/6/01	1105
				LAB		

White Copy-Laboratory Yellow Copy - Customer

COMPLETE THIS FORM PER INSTRUCTIONS ON REVERSE SIDE

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO CLI WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THE CLIENT COPY.

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 12-6-01 Oven Temp: 104 C Analyst: DC

Date In: 12-6-01 Time In/Out: 1145 / 1400

Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1. Blank	NA	0.0922	0.0922	
2. CE FAB-1	200			
3. CE FAB-1	200			
			Average CE FAB-1 TSS	
4. CE FAB-2	400	0.0894	0.0889	1.25
5. CE FAB-2	400	0.0897	0.0892	1.25
			Average CE FAB-2 TSS	1.25
6. OWW	100 ~~50~~	0.1017	0.0877	140
7. OWW	100 ~~50~~	0.1029	0.0892	137
			Average OWW TSS	138.5
8.				
9.				
			Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, mg - Tare Wt, mg) X 1000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. NPDES Permit #101128.

TJR 21 Mar 1987
DEM 11 Jan 2000 Revised

L:\FACLAB\WWTP\BENCH\TSSB.DOC

SCOEPA00024061

Analytical Data

Wacker Siltronic

Job Number: A11206AZ
Page Number: 9 of 16

Lab Sample ID: A11206AZ-3
Field ID: 01-132
Date/Time: 12/06/01 0730
Matrix: Waste Water

EPA Category: Inorganic Chemicals

Parameter	Method	Detection Limit	Analytical Result	Units	Analysis Date	Analyst
Arsenic	EPA 200.8	0.05	ND	mg/L	12/12/01	JM

ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00024062

Analytical Data

Wacker Siltronic

Job Number: A11206AZ

Lab Sample ID: A11206AZ-4
Field ID: 01-133
Date/Time: 12/06/01 0730
Matrix: Waste Water

EPA Category: Volatile Organic Chemicals
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 12/12/01
Analyst: MRD

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acetone	15.	ND	3600. E
Benzene	5.	ND	ND
Bromobenzene	5.	ND	ND
Bromochloromethane	5.	ND	ND
Bromodichloromethane	5.	ND	ND
Bromoform	5.	ND	ND
Bromomethane	5.	ND	ND
2-Butanone (MEK)	5.	ND	ND
n-Butylbenzene	5.	ND	ND
sec-Butylbenzene	5.	ND	ND
tert-Butylbenzene	5.	ND	ND
Carbon Disulfide	5.	ND	ND
Carbon tetrachloride	5.	ND	ND
Chlorobenzene	5.	ND	ND
Chloroethane	5.	ND	ND
2-Chloroethylvinyl ether	5.	ND	ND
Chloroform	5.	ND	ND
Chloromethane	5.	ND	ND
2-Chlorotoluene	5.	ND	ND
4-Chlorotoluene	5.	ND	ND
1,2-Dibromo-3-chloropropane	5.	ND	ND
Dibromochloromethane	5.	ND	ND
1,2-Dibromoethane	5.	ND	ND
Dibromomethane	5.	ND	ND
1,2-Dichlorobenzene	5.	ND	ND
1,3-Dichlorobenzene	5.	ND	ND
1,4-Dichlorobenzene	5.	ND	ND
Dichlorodifluoromethane	5.	ND	ND
1,1-Dichloroethane	5.	ND	ND
1,2-Dichloroethane	5.	ND	ND

Results expressed as µg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.
E means Estimated Concentration.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00024063

Analytical Data

Wacker Siltronic

Job Number: A11206AZ

Lab Sample ID: A11206AZ-4
Field ID: 01-133
Date/Time: 12/06/01 0730
Matrix: Waste Water

EPA Category: Volatile Organic Chemicals
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 12/12/01
Analyst: MRD

Parameter	Detection Limit	Laboratory Blank	Analytical Result
1,1-Dichloroethene	5.	ND	ND
cis-1,2-Dichloroethene	5.	ND	ND
trans-1,2-Dichloroethene	5.	ND	ND
1,2-Dichloropropane	5.	ND	ND
1,3-Dichloropropane	5.	ND	ND
2,2-Dichloropropane	5.	ND	ND
1,1-Dichloropropene	5.	ND	ND
cis-1,3-Dichloropropene	5.	ND	ND
trans-1,3-Dichloropropene	5.	ND	ND
Ethylbenzene	5.	ND	ND
Hexachlorobutadiene	5.	ND	ND
2-Hexanone	5.	ND	ND
Iodomethane	5.	ND	ND
Isopropylbenzene	5.	ND	ND
4-Isopropyltoluene	5.	ND	ND
4-Methyl-2-pentanone	5.	ND	ND
Methylene chloride	5.	ND	ND
Naphthalene	5.	ND	ND
n-Propylbenzene	5.	ND	ND
Styrene	5.	ND	ND
1,1,1,2-Tetrachloroethane	5.	ND	ND
1,1,2,2-Tetrachloroethane	5.	ND	ND
Tetrachloroethene	5.	ND	ND
Toluene	5.	ND	ND
1,2,3-Trichlorobenzene	5.	ND	ND
1,2,4-Trichlorobenzene	5.	ND	ND
1,1,1-Trichloroethane	5.	ND	ND
1,1,2-Trichloroethane	5.	ND	ND
Trichloroethene	5.	ND	ND
Trichlorofluoromethane	5.	ND	ND

Results expressed as $\mu g/L$ unless otherwise noted.
ND means none detected at or above the detection limit listed.

SCOEPA00024064

Analytical Data

Wacker Siltronic

Job Number: A11206AZ

Lab Sample ID: A11206AZ-4
Field ID: 01-133
Date/Time: 12/06/01 0730
Matrix: Waste Water

EPA Category: Volatile Organic Chemicals
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 12/12/01
Analyst: MRD

Parameter	Detection Limit	Laboratory Blank	Analytical Result
1,2,3-Trichloropropane	5.	ND	ND
1,2,4-Trimethylbenzene	5.	ND	ND
1,3,5-Trimethylbenzene	5.	ND	ND
Vinyl acetate	5.	ND	ND
Vinyl chloride	5.	ND	ND
m,p-Xylene	10.	ND	ND
o-Xylene	5.	ND	ND
4-Bromofluorobenzene (Surr.)	---	---	100%
Dibromofluoromethane (Surr.)	---	---	96%
Toluene-d8 (Surr.)	---	---	98%

Results expressed as µg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

SCOEPA00024065

Analytical Data

Wacker Siltronic

Job Number: A11206AZ
Page Number: 13 of 16

Lab Sample ID: A11206AZ-4
Field ID: 01-133
Date/Time: 12/06/01 0730
Matrix: Waste Water

EPA Category: Extractable Organics
Analysis Performed: EPA 8270; Semivolatile Organics by GC/MS.
Analysis Date: 12/19/01
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acenaphthene	0.024	ND	ND
Acenaphthylene	0.024	ND	ND
Aldrin	0.024	ND	ND
Anthracene	0.024	ND	ND
Azobenzene	0.02	ND	ND
1,2-Diphenylhydrazine	0.02	ND	ND
Benzo(a)anthracene	0.024	ND	ND
Benzo(a)pyrene	0.024	ND	ND
Benzo(b)fluoranthene	0.024	ND	ND
Benzo(g,h,i)perylene	0.024	ND	ND
Benzo(k)fluoranthene	0.024	ND	ND
beta-BHC	0.024	ND	ND
delta-BHC	0.024	ND	ND
bis(2-Chloroethoxy)methane	0.024	ND	ND
bis(2-Chloroethyl)ether	0.024	ND	ND
bis(2-Chloroisopropyl)ether	0.024	ND	ND
Bis(2-ethylhexyl)phthalate	0.024	ND	ND
4-Bromophenyl phenyl ether	0.024	ND	ND
Butyl benzyl phthalate	0.024	ND	ND
4-Chloro-3-methylphenol	0.024	ND	ND
2-Chloronaphthalene	0.024	ND	ND
2-Chlorophenol	0.024	ND	ND
4-Chlorophenyl phenyl ether	0.024	ND	ND
Chrysene	0.024	ND	ND
4,4-DDD	0.024	ND	ND
4,4-DDE	0.024	ND	ND
4,4-DDT	0.024	ND	ND
Di-n-butylphthalate	0.024	ND	ND
Di-n-octylphthalate	0.024	ND	ND
Dibenzo(a,h)anthracene	0.024	ND	ND

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

SCOEPA00024066

Analytical Data

Wacker Siltronic

Job Number: A11206AZ
Page Number: 14 of 16

Lab Sample ID: A11206AZ-4
Field ID: 01-133
Date/Time: 12/06/01 0730
Matrix: Waste Water

EPA Category: Extractable Organics
Analysis Performed: EPA 8270; Semivolatile Organics by GC/MS.
Analysis Date: 12/19/01
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
1,2-Dichlorobenzene	0.024	ND	ND
1,4-Dichlorobenzene	0.024	ND	ND
1,3-Dichlorobenzene	0.024	ND	ND
2,4-Dichlorophenol	0.024	ND	ND
Dieldrin	0.024	ND	ND
Diethyl phthalate	0.024	ND	ND
2,4-Dimethylphenol	0.024	ND	ND
Dimethylphthalate	0.024	ND	ND
2,4-Dinitrophenol	0.048	ND	ND
2,4-Dinitrotoluene	0.024	ND	ND
2,6-Dinitrotoluene	0.024	ND	ND
Endosulfan sulfate	0.024	ND	ND
Endrin Aldehyde	0.024	ND	ND
Fluoranthene	0.024	ND	ND
Fluorene	0.024	ND	ND
Heptachlor	0.024	ND	ND
Heptachlor epoxide	0.024	ND	ND
Hexachlorobenzene	0.024	ND	ND
Hexachlorobutadiene	0.024	ND	ND
Hexachloroethane	0.024	ND	ND
Indeno(1,2,3-cd)pyrene	0.024	ND	ND
Isophorone	0.024	ND	ND
2-Methyl-4,6-dinitrophenol	0.024	ND	ND
N-Nitrosodi-n-propylamine	0.024	ND	ND
Naphthalene	0.024	ND	ND
Nitrobenzene	0.024	ND	ND
4-Nitrophenol	0.024	ND	ND
2-Nitrophenol	0.024	ND	ND
Pentachlorophenol	0.024	ND	ND
Phenanthrene	0.024	ND	ND

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

Analytical Data

Wacker Siltronic

Job Number: A11206AZ

Lab Sample ID: A11206AZ-4
Field ID: 01-133
Date/Time: 12/06/01 0730
Matrix: Waste Water

EPA Category: Extractable Organics
Analysis Performed: EPA 8270; Semivolatile Organics by GC/MS.
Analysis Date: 12/19/01
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Phenol	0.024	ND	ND
Pyrene	0.024	ND	ND
1,2,4-Trichlorobenzene	0.024	ND	ND
2,4,6-Trichlorophenol	0.024	ND	ND
2-Fluorobiphenyl (Surr.)	---	---	85%
2-Fluorophenol (Surr.)	---	---	27%
Nitrobenzene-d5 (Surr.)	---	---	80%
Phenol-d6 (Surr.)	---	---	36%
Terphenyl-d14 (Surr.)	---	---	100%
2,4,6-Tribromophenol (Surr.)	---	---	95%

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

SCOEPA00024068

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Wacker Siltronic Corporation
ADDRESS PO Box 83180
Portland, OR 97283-0810

FACILITY 7200 NW Front Ave.
LOCATION Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2001	12	1	TO	2001	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-65)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	853,000	1,010,000	gal/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	36.3	38.3	lbs/day	--	5.3	6.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	339	753		--	15	30				
TSS	SAMPLE MEASUREMENT	12.7	16.3	lbs/day	--	1.8	2.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	520	1532		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			lbs/day	--			mg/l		Batch	
	PERMIT REQUIREMENT	0.11	0.27		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	< 0.01	0.01	lbs/day	--	<0.01	<0.01	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	54.2	62.1	lbs/day	--	7.7	8.3	mg/l		1/7	24HC
	PERMIT REQUIREMENT	393	804		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.3	0.9	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	23	61				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Wacker Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 02 | MO 1 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
Chrome batches are no longer being treated on site.

Error

SCOEPA00024069

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Wacker Siltronic Corporation
ADDRESS: PO Box 83180
Portland, OR 97283-0810
FACILITY: 7200 NW Front Ave.
LOCATION: Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-10)

PERMIT NUMBER	DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2001	12	1	TO	2001	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(5-61) MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	(54-61) AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	lbs/day	--	--	0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and maximum imprisonment of between 6 months and 5 years.)

Wacker Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 02 | MO 1 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024070

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Wacker Siltronic Corporation
ADDRESS: PO Box 83180
Portland, OR 97283-0810
FACILITY: 7200 NW Front Ave.
LOCATION: Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 002

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2001	12	1	TO	2001	12	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(51-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	110,000	177,000	gal/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.1	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	2.0	5.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to $10,000 and/or additional imprisonment of between 6 months and 5 years.)

Wacker Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 02 | MO 1 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024071

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Wacker Siltronic Corporation
ADDRESS PO Box 83180
Portland, OR 97283-0810
FACILITY 7200 NW Front Ave.
LOCATION Portland, OR 97210

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-10) PERMIT NUMBER	(11-18) DISCHARGE NUMBER
101128	Outfall 003

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2001	12	1	TO	2001	12	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	963,000	1,123,000	gal/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	64.7	°F		1/7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	>6.0	7.2	<9.0			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Wacker Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 02 | MO 1 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024072

CITY OF PORTLAND
ENVIRONMENTAL SERVICES

Water Pollution Control Laboratory
6543 N. Burlington Ave., Portland, Oregon 97203-5452
(503) 823-5600

INDUSTRIAL WASTEWATER DISCHARGE PERMIT APPLICATION

SECTION I: GENERAL INFORMATION

Confidential Information - Indicate those sections of this application that you wish to remain confidential *as well as* your reasons for requiring confidentiality. Wastewater discharge characteristics can not be considered confidential.

1. Siltronic Corporation
(Company Name)

2. Siltronic Corporation
(Facility Name)

3. 7200 NW Front Ave.
(Facility Address, Street)

Portland	Oregon	97210-3676
(City)	(State)	(Zip Code)

4. 7200 NW Front Ave.
(Mailing Address, Street/PO. Box)

Portland	Oregon	97210-3676
(City)	(State)	(Zip Code)

5. Provide the name of the person to contact on information contained in this questionnaire:

Thomas C. McCue	(503) 219-7532
(Name)	(Phone)
Environmental Affairs Manager	(503) 219-7599
(Title)	(Fax)

6. Initial startup date of operations at this facility: 1978

SCOEPA00024073

7. Enter the name, title, telephone number, and fax number of the person who is responsible for responding or organizing a response to emergencies at this facility, and who can be contacted by City staff. These emergencies may include spills and chemical releases, fires, floods, or earthquakes.

8. Check the appropriate box and make the necessary changes or corrections to the enclosed document, if needed.

SCOEPA00024074

7. Person to be contacted in case of an emergency at this facility:

Name	Phone
Security	(503) 219-4300 Fab 2 (503) 219-7421 Fab 1
Title	**Fax**
n/a	

8. Is all of the information previously submitted in your facility's *Environmental Survey Part II*, still current, up-to-date, and correct?

Yes [ ] No [X]

{A copy of your facility's Environmental Survey Part II is included for your reference.}

If you checked No, make the needed changes to the enclosed Environmental Survey Part II, initial and date all changes and send in the corrected copy of the Survey with the completed Permit Application.

SCOEPA00024075

INSTRUCTIONS: INDUSTRIAL WASTEWATER PERMIT APPLICATION
SECTION II: FACILITY PROCESS FLOW INFORMATION

1. Provide the daily average flows discharged in gallons per day (gpd) for the last 12 months. For estimating sanitary flow, use 25 gallons per employee per day. Be as specific as possible. If the exact amount of water is not known for each item, then estimate the amount as best as possible and note how the estimation was determined.

2. Check the appropriate box and provide the necessary information.

SCOEPA00024076

SECTION II: FACILITY PROCESS FLOW INFORMATION

1. For your facility, provide the following flows for each of your processes or proposed processes (i.e., manufacturing process line or other processes that may generate process wastewater).

Total Plant Flow in Gallons Per Day (gpd) discharged to the sanitary sewer collection system:

Daily Average 624,000 Daily Maximum 694,000

Individual Process Flows in Gallons Per Day (gpd)

Process Description	Average Flow, gpd	Maximum Flow, gpd	Type of discharge
Organic Waste Water (OWW)	606,400	673,000	Industrial
Sanitary	17,600	20,800	Domestic
During upset conditions at Siltronic's waste			
water treatment plant, the NPDES permitted waste			
streams maybe diverted to the sanitary sewer.			
Combined Effluent (CE)	889,800	1,030,000	Industrial
Non-contact water/ Cooling Towers (MV3)	50,000	117,000	

2. Is an inspection or sampling manhole structure available on-site? Yes [X] No [ ]

- If No, is one planned? Yes [ ] No [ ]
- If Yes, provide location below and include as part of the process flow schematic (see also Attachment B).
- Location description: _____

SCOEPA00024077

3. Check the appropriate boxes and provide the required information.

4. Briefly describe any previous spills of raw materials, products, or process wastes that were or may have been discharged to the sewer collection system. Also list all corrective actions that were taken to clean-up the spills and procedures that were put in place to prevent a re-occurrence.

SCOEPA00024078

3. Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow metering equipment in use or included in future plans?

•	Current:	Flow Metering	Yes [X]	No [ ]	N/A [ ]
		Sampling Equipment	Yes [X]	No [ ]	N/A [ ]
•	Planned:	Flow Metering	Yes [ ]	No [ ]	N/A [ ]
		Sampling Equipment	Yes [ ]	No [ ]	N/A [ ]

If Yes, describe the equipment below and indicate the present or future location of this equipment on the process flow schematic in Attachment B:

See attached site map. Sampling points and flow meter location are marked.

Khrome Mag Flow Meter

24-hour Composite Sampler

pH Meter - Continuous

4. Please describe below, or on a separate sheet of paper, any previous spills or slug discharges from the facility. Also list the clean-up actions taken as well as the remedial measures put in place to prevent a reoccurrence.

A review of records indicated that there were four events involving Total Suspended Solids discharge to the City. Three were a result of holes in a filter of a filter press used to reduce TSS. One was a result of an interruption of flocculant flow to waste treatment equipment.

One upset event in October of 2004 was the result of a site wide electrical power outage. For about 90 minutes un-pretreated waste was sent to the City.

All incidents were resolved as quickly as possible to minimize impact to the City waste water treatment facility.

SCOEPA00024079

This section, in two parts, details the collection of the necessary quantitative wastewater information required to establish applicable pretreatment limits and monitoring requirements for each industrial user. Contact the Industrial Source Control Division if there are any questions on what limits apply, what parameters to sample, sampling requirements, and from where to take the samples. Samples should be taken of the final effluent prior to discharge to the City's sewer collection system. If there is more than one discharge of process wastewater to the City's sewer lines, photocopy this page and supply the analytical results for all process wastewater discharges.

Existing Facility: (report results in concentrations (mg/L) or mass (lbs))

Each Facility must complete Attachment A, Priority Pollutants list. This information will be used to help determine what may or may not be present in the facility's effluent.

Each facility will sample, have analyzed, and report on all pollutants as specified by the City. If mass limits apply, the facility must report results on a mass basis (concentration x regulated process flow). Attach all calculations.

Samples collected must be representative and taken during peak production. Samples must be collected each day for three consecutive days, and analyzed separately.

An existing facility can use existing historical data, on file with the City, to fulfill this requirement.

New Facility: (report results in concentrations (mg/L) or mass (lbs))

This includes a new business moving into an existing facility or a new business proposing to construct a new building. A new facility should be in compliance with applicable pretreatment standards upon commencement of discharge and is required to sample and submit the final compliance report within 30 days of commencement of discharge. Because no discharge of process wastewater has occurred, provide your best estimate of the discharge. This estimate shall be confirmed through monitoring of the facility's effluent.

Each Facility must complete Attachment A, Priority Pollutants list. This information will be used to help determine what may or may not be present in the facility's effluent.

SCOEPA00024080

TABLE 1 APPLICABLE LIMITS: [1]

Parameter	Suggested Analysis Method 40 CFR 136	Local Limit	Sample Type Grab or Composite	Required Sampling
Metals				
Arsenic	200.7	0.2 mg/L	Composite	X
Cadmium	200.7	0.7 mg/L	Composite	
Chromium	200.7	5.0 mg/L	Composite	
Copper	200.7	3.7 mg/L	Composite	
Lead	200.7	0.7 mg/L	Composite	
Mercury	245.1	0.010 mg/L	Composite	
Molybdenum	200.7	1.4 mg/L	Composite	
Nickel	200.7	2.8 mg/L	Composite	
Selenium	200.7	0.6 mg/L	Composite	
Silver	200.7	0.4 mg/L	Composite	
Zinc	200.7	3.7 mg/L	Composite	
Non-Metals				
BOD_5	405.1		Composite	
Closed Cup Flash Point	ASTM D-93-80	>140 °F	Grab	
Cyanide	335.2	1.2 mg/L	Grab	
Non-polar Fats, Oil, & Grease	1664	110. mg/L	Grab	
pH	150.1	5.0-11.5 S.U.	Grab	X
Total Toxic Organics	624 & 625	2.13 mg/L		
Total Suspended Solids	160.2		Composite	X
Dissolved Sulfide	376.2	4 mg/L	Grab	
Individual Organic Compounds				
Acrylonitrile	603	1.0 mg/L	Grab	
Chlordane	625	0.03 mg/L	Composite	
Chlorobenzene	624	0.2 mg/L	Grab	
Chloroform	624	0.2 mg/L	Grab	
1,2 Dichloroethane	624	0.5 mg/L	Grab	
2,4-Dinitrotoluene	625	0.13 mg/L	Composite	
Nitrobenzene	625	2.0 mg/L	Composite	
Pentachlorophenol	625	0.04 mg/L	Composite	
Trichloroethylene	624	0.2 mg/L	Grab	

TOTAL TOXIC ORGANICS Daily Categorical Limit < 1.37 mg/L X

[1] This table lists the applicable Local Limits for all Permitted Industrial Users. Categorical Industrial Users may have additional limits that apply.

SCOEPA00024081

PART A. NON-CATEGORICAL INDUSTRIAL FACILITIES

1. Each Permitted Industrial User is required to perform self monitoring sampling and analyses to help document compliance with the pretreatment regulations. Provide the requested information even if all of the self monitoring analyses are performed by facility staff.

2. Provide the requested information. Most Commercial Laboratories participate in at least one performance evaluation or certification program to help insure and document that the data generated is valid and credible.

3. After comparing the process wastewater data to the discharge limits that are listed in Table 1, check the appropriate box and complete as requested. Describe any additional O & M or installation of pretreatment equipment required to meet the listed discharge limits and attach a proposed compliance schedule. Specify the major events. After approval by the city, a Compliance Order will be put in place. Failure to comply with the approved schedule will subject the facility to enforcement actions.

SCOEPA00024082

PART A. NON-CATEGORICAL INDUSTRIAL FACILITIES

1. Provide name and address of the commercial testing lab(s) who is (are) performing analyses:

_____
(Laboratory Name)

_____
(Street Address)

_____ _____ _____
(City) (State) (Zip Code)

_____ _____
(Phone) (Fax)

2. List the Certification Program(s) in which the laboratory participates:

_____

_____

3. Compliance Certification: Compare the sample results against the listed Local Limits (Table 1).

a.) Is the facility meeting applicable pretreatment standards on a consistent basis?

Yes [X] No [ ] Don't Know [ ]

If Don't Know, then compliance must be evaluated after the baseline monitoring is completed.

If No, do you require:

b.) Additional operation and maintenance (O&M) to achieve compliance? Yes [ ] No [ ]

c.) New or additional pretreatment facilities to achieve compliance? Yes [ ] No [ ]

If additional O&M or new or additional pretreatment equipment will be required for the facility to meet pretreatment standards on a consistent basis, attach a description of what is required and a proposed schedule for completion of the work.

d.) I have provided a compliance schedule. Yes [ ] No [ ]

Describe the compliance schedule of events on a separate sheet. Detail what the proposed work entails and the proposed due dates for each of the tasks involved. The proposed compliance schedule is subject to prior approval by the City.

SCOEPA00024083

PART B. CATEGORICAL INDUSTRIAL FACILITIES

1. List each regulated process, its production rate (i.e. 1,000 lbs. of product per day), the process wastewater flow rate in gpd, the applicable SIC code, and the pretreatment category. If the exact flow rate is not known for each process, then estimate the amount as best as possible and note how the estimation was determined.

   Baseline Monitoring Report: As per 40 CFR 403.12, each Categorical Industrial User must submit a Baseline Monitoring Report (BMR). This one time submital should identify the nature and concentrations of all regulated pollutants that might be in th e facility's discharge. In the case of new facilities this report must be submitted 90 days prior to the start of discharge. Estimates may be used but these estimates shall be confirmed through final compliance monitoring of the facility's effluent. If the effluent samples were taken at one combined point, indicate alongside the regulated process line what process flows are co-mingled at the sampling point. Contact the City's Industrial Source Control Division for guidance on where to take samples and how many samples to take.

2. Each Permitted Industrial User is required to perform self-monitoring sampling and analyses to help document compliance with the pretreatment regulations. Provide the requested information even if all of the self monitoring analyses are performed by facility staff.

3. Provide the requested information. Most Commercial Laboratories participate in at least one performance evaluation or certification program to help insure and document that the data generated are valid and credible.

SCOEPA00024084

PART B. CATEGORICAL INDUSTRIAL FACILITIES

1. Summarize each regulated process: (report concentrations in mg/L or mass in lbs.).

Regulated Process Description	Production Rate	Process Flow	SIC Code	Pretreatment Category
NPDES permitted waste		889,800 gpd	3674	Neutralization
BOD	3.9 mg/L			Fluoride
TSS	2.3 mg/L			precipitation
Chrome (total)	< 0.001 mg/L			Filtration
Fluoride	7.6 mg/L			
Phosphate	< 0.13 mg/L			
TTO	< 0.01 mg/L			

Total plant flow: (In gallons per day, gpd) 1,591,700

2. Provide name and address of the commercial testing lab(s) who is (are) performing analyses:

North Creek Analytical
(Laboratory Name)

9405 SW Nimbus Ave.
(Street Address)

Portland (City) | Oregon (State) | 97219 (Zip Code)

(503) 906-9200 (Phone) | (503) 906-9210 (Fax)

3. List the Certification Program(s) in which the laboratory participates:

See attached page

SCOEPA00024085

4. As discussed in question #1 of this subsection, a BMR includes sampling and analysis data of the facility's effluent. Daily maximum and average pollutant concentrations from each categorically regulated process must be reported. A report form is included as Attachment D. A minimum of four grab samples for pH, cyanide, phenols, oils & greases, sulfide, and volatile organics must be taken, if applicable to the facility's categorically regulated processes. For all other regulated pollutants, a 24 hour composite sample is required. All such samples must be representative of the facility's daily operations. After comparing the analysis data to the discharge limits listed in the appropriate subpart of 40 CFR and the Local Limits listed in Table 1, check the appropriate box and complete as requested. Describe any additional O & M or installation of pretreatment equipment required to meet the listed discharge limits and attach a proposed compliance schedule. Specify the major events, bench marks, needed to achieve compliance, as well as dates for completion of the events. After approval by the City, the compliance schedule will be in place. Failure to comply with the approved schedule will subject the facility to escalating enforcement actions.

5. Total Toxic Organics (TTOs): Facilities who use toxic organics, as listed by EPA in its published categorical pretreatment standards, are required to meet the TTO pretreatment standards. Each facility must initially sample its discharge for TTOs to determine if the facility's discharge is in compliance with applicable limits. After a facility is found to be in compliance with the applicable TTO discharge limits, the Industrial User may adopt either a certification statement or a solvent management plan in lieu of periodically sampling for TTOs, if these options are allowed under the facility's category. If you do not use toxic organics in your manufacturing process, you may not be required to sample for TTOs. Contact the City's Industrial Source Control Division for guidance.

Check the appropriate boxes.

SCOEPA00024086

OREGON

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

NELAP Recognized

North Creek Analytical
OR100021
9405 SW Nimbus Ave
Beaverton, OR 97008

IS GRANTED APPROVAL BY ORELAP. UNDER THE 2001 NELAC STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW:

Air	*Potable Water*	*Non Potable Water*	*Solids and Chem. Waste*	*Tissue*
	Microbiology	Microbiology		
	Chemistry	Chemistry	Chemistry	

AND AS RECORDED IN THE LIST OF APPROVED ANALYTES, METHODS, ANALYTIC TECHNIQUES, AND FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE AND REVISED AS NECESSARY.

ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE PROGRAM AND CONTINUED COMPLIANCE WITH THE STANDARDS.

CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN OREGON.

Irene E. Ronning, Ph.D.
ORELAP Administrator
1717 SW 10th
Portland, OR 97201

ISSUE DATE: 1/10/2005
EXPIRATION DATE: 1/9/2006
Certificate No: OR100021-003

PART B. CATEGORICAL INDUSTRIAL FACILITIES

1. Summarize each regulated process: (report concentrations in mg/L or mass in lbs.).

Regulated Process Description	Production Rate	Process Flow	SIC Code	Pretreatment Category
Organic Waste Water (OWW)		606,400 gpd	3674	Neutralization
Arsenic (Total)	< 0.005 mg/L			
Total Toxic Organics	< 0.001 mg/L			
Total Suspended Solids	130 mg/L			

Total plant flow: (In gallons per day, gpd) 1,591,700

2. Provide name and address of the commercial testing lab(s) who is (are) performing analyses:

Coffey Laboratories, Inc.
(Laboratory Name)

12423 NE Whitaker Way
(Street Address)

Portland (City) | Oregon (State) | 97230 (Zip Code)

(503) 254-1794 (Phone) | (503) 254-1452 (Fax)

3. List the Certification Program(s) in which the laboratory participates:

See attached page

SCOEPA00024088

4. As discussed in question #1 of this subsection, a BMR includes sampling and analysis data of the facility's effluent. Daily maximum and average pollutant concentrations from each categorically regulated process must be reported. A report form is included as Attachment D. A minimum of four grab samples for pH, cyanide, phenols, oils & greases, sulfide, and volatile organics must be taken, if applicable to the facility's categorically regulated processes. For all other regulated pollutants, a 24 hour composite sample is required. All such samples must be representative of the facility's daily operations. After comparing the analysis data to the discharge limits listed in the appropriate subpart of 40 CFR and the Local Limits listed in Table 1, check the appropriate box and complete as requested. Describe any additional O & M or installation of pretreatment equipment required to meet the listed discharge limits and attach a proposed compliance schedule. Specify the major events, bench marks, needed to achieve compliance, as well as dates for completion of the events. After approval by the City, the compliance schedule will be in place. Failure to comply with the approved schedule will subject the facility to escalating enforcement actions.

5. Total Toxic Organics (TTOs): Facilities who use toxic organics, as listed by EPA in its published categorical pretreatment standards, are required to meet the TTO pretreatment standards. Each facility must initially sample its discharge for TTOs to determine if the facility's discharge is in compliance with applicable limits. After a facility is found to be in compliance with the applicable TTO discharge limits, the Industrial User may adopt either a certification statement or a solvent management plan in lieu of periodically sampling for TTOs, if these options are allowed under the facility's category. If you do not use toxic organics in your manufacturing process, you may not be required to sample for TTOs. Contact the City's Industrial Source Control Division for guidance.

Check the appropriate boxes.

SCOEPA00024089

CERTIFICATIONS AND LICENSES

A.	Administrative Licenses	
1.	Incorporated:	December, 1978. Oregon
2.	Federal identification number:	93-0726444
3.	Dun and Bradstreet number:	03-708-447
4.	SIC code	8734
5.	DEQ/EPA identification number:	ORD98717564
6.	Certified small business	
7.	Disadvantaged Business Enterprise	#399
8.	Woman-owned business	
	a. State of Oregon, Office of Minority, Women and Emerging Small Business certification	#67
	b. State of Washington, Women and Minority Business Enterprise certification	#W2F2312297
9.	Commercial and Government Entity (CAGE) code	0F898
10.	Oregon State vendor number (VIP)	08659
B.	State of Oregon	
1.	Oregon state license number	#76
2.	Oregon certified laboratory (Drinking Water)	
	Corporate Headquarters (Portland)	OR 00011
	Eastern Oregon Branch (Pendleton)	OR 00054
	Central Oregon Branch (Redmond)	OR 00097
3.	Oregon certified laboratory (Non-Drinking Water) (Certified through Washington State License Reciprocity.)	C070
4.	City of Portland business license number	314052
C.	State of Washington	
1.	Washington state license number	C 600 585 17B
2.	Washington certified laboratory (Drinking Water)	#88
3.	Washington certified laboratory (Non-Drinking Water)	C070
3.	City of Vancouver, WA business ordinance number	7391
D.	ORELAP/NEELAC	
1.	National Certification Granted through the State of Oregon	Pending
2.	Other National States enrolled in the NELAC program via reciprocity.	
E.	Quality Assurance/Performance Evaluation	
1.	State of Oregon, and Washington certifications for drinking water analyses.	
2.	EPA certification for drinking water analysis (defaults to #1 because of primacy by state agencies)	
F.	Other	
1.	National Alfalfa Hay Testing Association certification.	
E. 2.	Oregon Department of Transportation Approved Analytical Laboratory	

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way ! Portland, OR ! 97230 ! (503) 254-1794 ! FAX (503) 254-1452

SCOEPA00024090

4. Compliance Certification: Compare the sample results against the listed Categorical Standards and those listed in the Local Limits (Table 1).

   a.) Is the facility meeting applicable pretreatment standards on a consistent basis?

   Yes [X] No [ ] Don't Know [ ]

   If Don't Know, then compliance must be evaluated after the baseline monitoring is completed.

   If No, do you require:

   b.) Additional operation and maintenance (O&M) to achieve compliance?

   Yes [ ] No [ ]

   c.) New or additional pretreatment facilities to achieve compliance?

   Yes [ ] No [ ]

   If additional O&M or new or additional pretreatment will be required for the facility to meet pretreatment standards on a consistent basis, attach a description of what is required and a proposed schedule for completion of the work.

   d.) I have provided a compliance schedule.

   Yes [ ] No [ ]

   Describe the compliance schedule of events on a separate sheet. Detail what the proposed work entails and the proposed due dates for each of the tasks involved. The proposed compliance schedule is subject to prior approval by the City.

5. Total Toxic Organics (TTOs): Facilities covered by a TTO pretreatment standard must initially sample for the listed TTOs to help determine compliance. Contact the City's Industrial Source Control Division for a listing of the TTOs applicable to your industrial category. See also the table in Attachment A.

   a.) We presently use or plan to use toxic organics listed in the categorical pretreatment standards.

   Yes [✓] No [ ] If "Yes" then:

   b.) A solvent management plan has been developed and is attached.

   Yes [✓] No [ ]

   If "No," attach a proposed schedule to develop and implement a Solvent Management Plan with due dates for each of the tasks involved. The proposed schedule is subject to prior approval by the City.

   c.) I have provided a proposed schedule to develop and implement a Solvent Management Plan.

   Yes [ ] No [ ]

SCOEPA00024091

The Qualified Professional Certification pertains to the actual preparer of this form if different than the Responsible Corporate Official. Said person could be a consultant or professional engineer hired to gather and prepare the required information for this application.

This form shall be signed by a Responsible Corporate Official, as defined in 40 CFR 403.12(l). Said person may be either a general partner, a corporate officer, or by a duly authorized representative who has responsibility for the overall operation of the facility that discharges process wastewater to the City's sewer.

Photocopy the completed survey form for your records and return the original survey to:

Industrial Source Control Division
City of Portland Environmental Services
Water Pollution Control Laboratory
6543 N. Burlington Avenue
Portland, OR 97203-5452

SCOEPA00024092

Toxic Organic Management Plan for Siltronic Corporation

Revised 12/2005

Background

This Toxic Organic Management Plan (TOMP) has been developed to comply with Wastewater Discharge Permit Number 469-001, issued to Siltronic Corporation March 25, 1991, by the City Of Portland. As part of the Municipal pre-treatment program, Siltronic is required to develop and submit this TOMP to address the use of toxic organic compounds, under paragraph 10 of Schedule B Monitoring and Reporting Requirements. The toxic organic compounds of concern are listed in Appendix 4 Total Toxic Organics (TTO). The objective of the TOMP is to prevent or minimize the potential for release of TTOs in significant amounts to the Publicly Owned Treatment Work (POTW). In this plan Siltronic has identified the TTOs used on-site, method of disposal, and procedures to minimize that TTOs do not spill or leak into the wastewater discharge to the POTW. In addition what follows is a description of what we have done to reduce our use of all toxic chemicals.

Past Reduction Efforts

"Source Reduction" is any activity that reduces or eliminated the use of toxic substance at their source. Siltronic has been implementing source reduction for many years, first as part of a Chemicals Conservation Program and currently as part of Siltronic's Environmental Management System (EMS) under ISO 14001. Under the Chemical Conservation Program, most TTOs were eliminated from the manufacturing process. Under EMS all sources of TTO are examined with the goal of eliminating their use. For those TTOs that cannot be eliminated or replaced, procedures and training are employed to minimize the potential for drainage or spills.

TTO on-site in 2004 and 2005

One TTO is used in manufacturing. None TTOs are ingredients or laboratory reagents. One TTO is produced during use. The following table is a list of the known TTOs used on-site in 2004 and 2005 (the annual gallons discharge is an estimate for 2005):

Toxic Organic Management Plan for Siltronic Corporation

Revised 12/2005

TTOs used on site in 2004 and 2005

TTO	Source	Estimated quantity used	Estimated quantity released to POTW/year (at 230 mgpy)
1,1,1-trichloroethane (CAS 71-55-6)	An ingredient for lubricants used in maintenance.	Less than 1 lbs	ND at 0.005 ppm in 2004/2005
1,2-dichloroethene (CAS 156-60-5)	Used a pure reagent for high temperature cleaning of furnace tubes.	187 lbs	ND at 0.005 ppm in 2004/2005
Benzene (CAS 71-43-2)	A component of gasoline used to fuel landscaping equipment.	16 lbs	ND at 0.005 ppm in 2004/2005
Ethyl benzene (CAS 100-41-4)	An ingredient of aerosol spray paints used in maintenance.	7 lbs	ND at 0.005 ppm in 2004/2005
Methylene Chloride (CAS 75-09-2)	An ingredient in pipe glue, aerosol lubricant and gasket stripper used in maintenance; and as a laboratory reagent.	Less than 10 lbs	ND at 0.005 ppm in 2004/2005
Naphthalene (CAS 91-20-3)	An ingredient in a water displacer used in maintenance.	Less than 1 lb	ND at 0.005 ppm in 2004/2005
Phenol (CAS 108-95-2)	An ingredient of putty hardener used in maintenance.	Less than 1 lb	ND at 0.006 ppm in 2004/2005
Trichloroethene (CAS 79-01-6)	An ingredient in pipe glue used in maintenance.	Less than 1 lb	ND at 0.005 ppm in 2004/2005
Vinyl Chloride (CAS 75-01-4)	An ingredient of a liquid tape used in maintenance.	Less than 1 lb	ND at 0.005 ppm in 2004/2005
Toluene (CAS 108-88-3)	An ingredient in wax used in manufacturing.	3000 lbs	
In the last 21 months of 2004 /2005, the waste stream has been analyzed for toluene nine times. Detection limits have varied from 0.001 to 0.005 ppm. One analysis in 2004 was 0.007 ppm at a detection limit of 0.005 ppm. Using ½ detection limit method to analysis censored and non-censored analytical results, an average of 0.0028 ppm can be calculated. Using the calculated average, 5 lbs toluene can be estimated to have been released in one year. This value is only a calculated estimated.			
Chloroform [2] (CAS 67-66-3)	Chloroform is a by-product of the chlorination of water. An extremely small amount of chloroform is an ingredient of a laboratory reagent.	The estimated quantity used is less than 1 gram as chloroform.	
In the last 21 months of 2004 /2005, the waste stream has been analyzed for chloroform nine times. Detection limits have varied from 0.004 to 0.005 ppm. There were two results above the detection limit in 2004; both were 0.005 ppm, and one result in 2005 of 0.004 ppm. Using ½ detection limit method to analysis censored and non-censored analytical results, an average of 0.0033 ppm can be calculated. Using the calculated average, 6 lbs chloroform can be estimated to have been released in one year. This value is only a calculated estimated.			

TTO Management

Waste Drains

The waste discharged to the POTW is separated from other waste streams to minimize contamination. Storm water run-off and waste discharged under Siltronic's NPDES permit are contained in separate drain systems. A table describing waste treatment, drains and types of chemicals permitted in each drain appear in the appendix of this plan

Material Storage

All materials used in the manufacturing process are stored in hard-plumbed containers or are stored and dispensed from inside the building. This prevents the possibility of drainage from the material storage entering the sanitary sewer. All external tanks have secondary containment that drain to the appropriate drain system. A map of material storage location appears in the appendix of this plan.

Training

All existing and new employees are trained on the importance of environmental awareness. Annual refresher training is required by all employees. All training records are maintained by the Siltronic Training Department

Operating procedures for management of chemicals on-site

The following procedures detail the proper management of chemical on-site:

1. Document P-27.10.02/004, Environmental Guidance details how to manage wastes on-site. Including:
    - Waste drains available and what materials can be discharged to those drains.
    - Hazardous waste generation, labeling and disposal.
    - Used oil disposal.
    - Universal waste labeling and disposal.
    - Hazardous material storage and secondary containment requirements.
2. Document P-16.99.02/0006, Receiving Operation Procedure details how to receive and storage materials. Including

- Material Handling
- Storage locations.
- Hazardous Chemical Storage.
- Spills or accidental release of materials

3. Document P-27.10.02/0003, Spill Prevention Control and Countermeasure Plan (SPCC): Plan for managing fresh and used oil.
4. Document P-27.10.02/0002 Slug Control Plan: Plan for responding to an accidental release to POTW.
5. Manufacturing Operating Procedures: all manufacturing operations are covered by Standard Operating Procedures that detail the usage of chemicals required for each manufacturing step.
6. Document P-27.10.02/0001, Emergency Preparedness, Prevention and Contingency Plan: Plan for responding to a site emergency

Maintenance and Facility Operations Monitoring

1. The Facilities Maintenance Department conducts daily inspections of all facility equipment. This is done in an effort to detect any equipment or operational problems before they results in an equipment shutdown or emergency situation.
2. The maintenance departments also have individual equipment preventive maintenance programs. This routine maintenance is done in an effort to keep all equipment in peak operating condition and to avoid shutdowns and emergency situations. Preventative maintenance records are on file.
3. The Facility Operations group conducts operational inspections of all facilities equipment including the Waste Water Treatment Plant, NOx Scrubber, Hazardous Waste Storage, Treatment and Recycling Equipment, and drain and waste piping system. Operational inspections are usually performed four times per 12 hour shift, or eight times in 24 hours. The number of inspections may vary depending on the area being inspected resulting in some areas having more inspection per day and some less. Copies of inspections files are on file.

Plant Monitoring

All plant alarms and equipment sensors are monitored at the security guard stations located in the main lobby of each processing building. These stations are manned 24 hours per day. In the event of an emergency situation the security personnel have been trained to follow Document P-27.10.02/0001, Emergency Preparedness, Prevention and Contingency Plan which details the step to taken to respond to an emergency.

Spill Response

All employees are trained to call security at 611 to report spills or accidental chemical releases. The 611 number is manned 24 hours per day and takes priority over all other security operations. Siltronic's Emergency Response Teams (ERT) is activated by security to investigate and mediate the incident. As part of the ERT personnel training, each member receives 40 hours of training annually. This includes eight hours of initial training and followed by monthly reviews and exercises. As part of this training, the Siltronic waste drain system is reviewed to ensure that the drain system is protected against contamination for spills and accidental releases. Document P-27.10.02/0001, Emergency Preparedness, Prevention and Contingency Plan contains

SECTION IV: SIGNATURES & CERTIFICATIONS

Qualified Professional Certification:

I hereby certify under penalty of law that this information was obtained in accordance with the applicable procedures and requirements as specified in the General Pretreatment Regulations and amendments thereto and the City's sewer use ordinance. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name (print)	Title
Signature	Date

Authorized Representative Statement: {40 CFR 403.6(a)(2)(ii)}

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief is true accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

THOMAS C. McCUE Name (print)	ENVIRONMENTAL MANAGER Title
Thomas C. McCue Signature	12/21/05 Date

SCOEPA00024098

ATTACHMENT B PROCESS FLOW DIAGRAM

For each major activity in which wastewater is generated, draw a diagram of the flow of materials and water from start to completed activity, showing all unit processes generating wastewater. Number each unit process having wastewater discharges to the community sewer. Use these numbers when showing this unit process in the building layout in schematic. Use the space below or additional sheets of 8x11 paper. An example is provided on the other side of this sheet. Using this example as a guide, diagram the flow of materials and water from the start of each process to the completed product or activity. Show all unit processes generating wastewater. Indicate the process flow rates in gallons per day (gpd) with numbered steps keyed to building locations.

Instructions PROCESS FLOW DIAGRAM

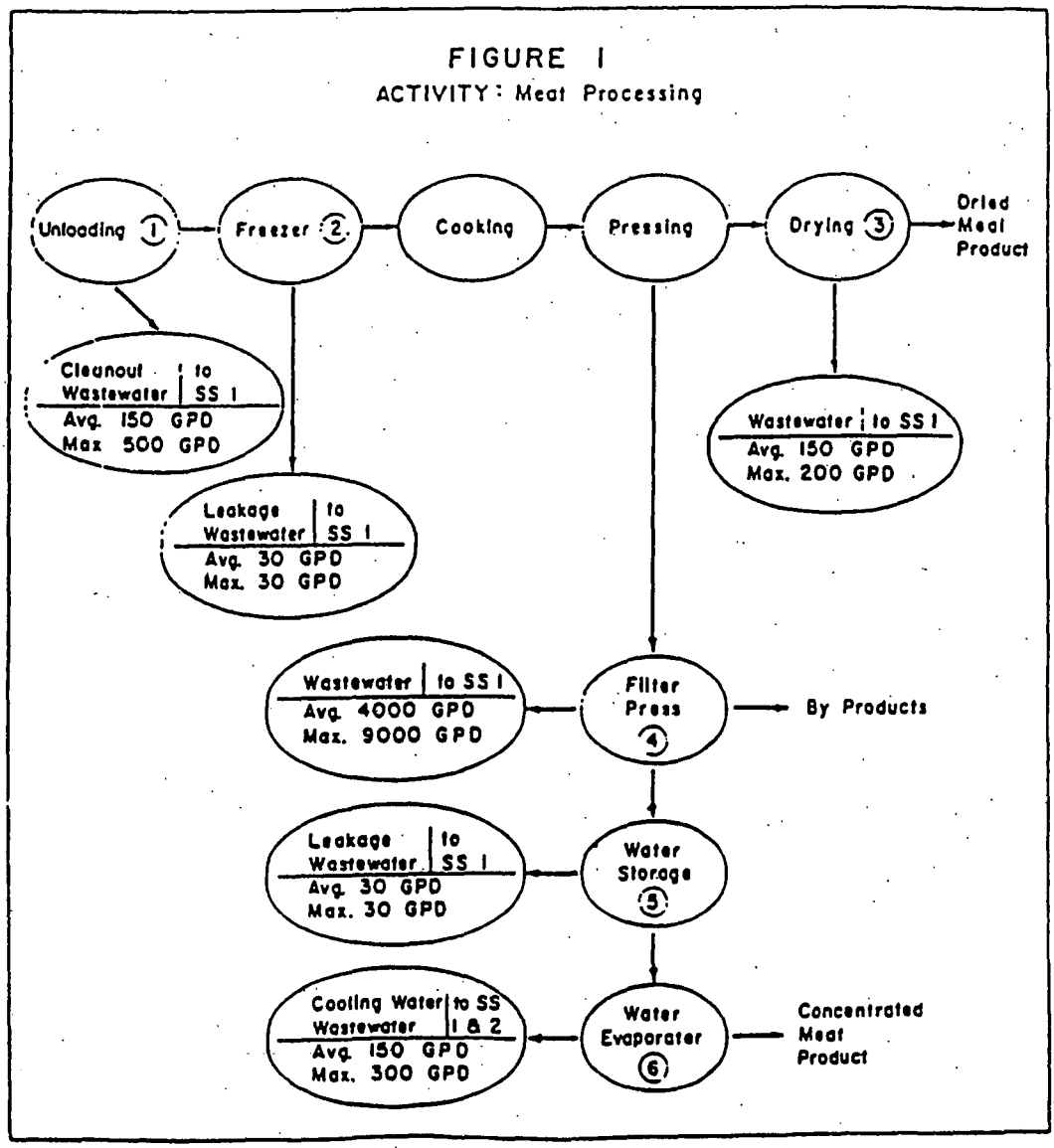
A Separate drawing should be completed for each major business activity.

A line drawing (schematic flow diagram) of each major business activity is to be completed either in the space below or drawn on separate sheet of paper (all sheets should be letter size). Number each process that generates wastewater using the same numbering system as in the building layout or plant site plan shown in the building layout schematic. An example of drawing required is shown below in Figure 1.

To determine your average daily volume and maximum daily volume of wastewater flow, you may have to read water meters, sewer meters, or make estimates of volumes that are not directly measurable.

FIGURE 1

ACTIVITY: Meat Processing

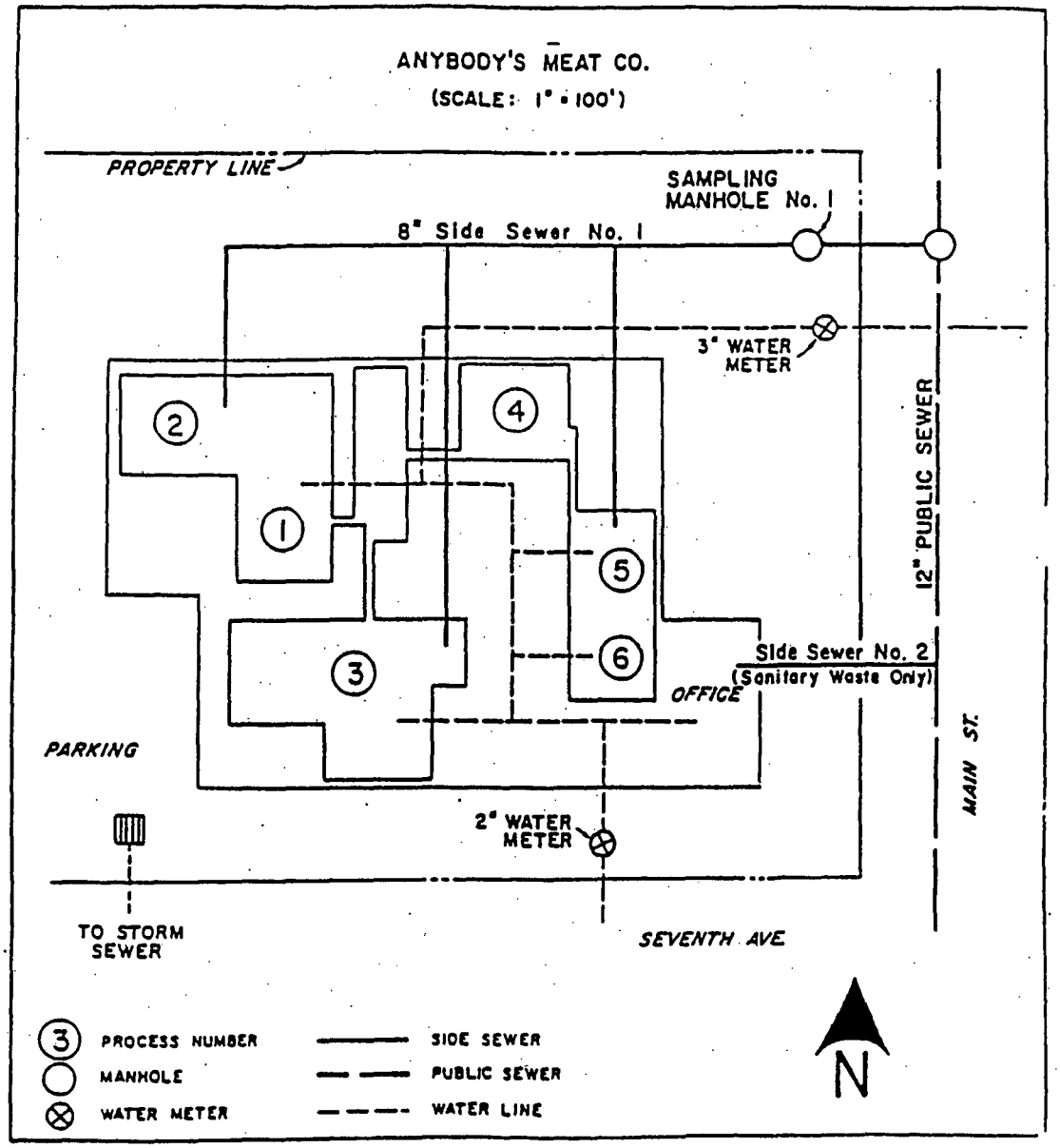


SCOEPA00024099

ATTACHMENT C BUILDING LAYOUT

Draw the location of each building on the premises. Show location of all current or planned water meters, storm drains, numbered unit processes (from process schematic(s)), community sewers and each side sewer connected to the community sewers, automatic sampling equipment (current or planned), location of pretreatment processes, treated flows and untreated flows, name and location of pertinent streets. Use flow schematic to indicate process and process discharge in gpd. Number each side sewer and show possible sampling locations (sampling manhole).

An attached blueprint or drawing of the facilities showing the above items may be substituted for a drawing on this sheet. Use the example on the back side of this sheet as a guide.



City of Portland
Environmental Services
Permit Renewal
12/2005

ATTACHMENT A PRIORITY POLLUTANTS

Supplemental Information

Some of the data requested requires additional comments to explain the results. The following table lists the data flags used in reporting.

Data Flag	Comments
NO DATA	No analytical data available for this pollutant.
ND U	An analysis was performed for this pollutant but the pollutant was not detected. The result was below the sampling reporting limit.
JT	The analyses for this pollutant contained censored (non-detect) results and un-censored results. An estimated average was needed to calculate the Loss to Sewer in lbs. /year. To calculated the average, the censored (non-detect) results were converted to numerical values. The value used for each censored (non-detect) result was equal to ½ the detection limit used for that censored (non-detect) result. The estimated average was then calculated for all values and used to estimate the yearly loss to sewer. The Loss to Sewer per year is a calculated result and below the sample reporting limit.

ATTACHMENT A PRIORITY POLLUTANTS

Priority Pollutant Information

1. Indicate by placing an "X" in the appropriate space by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity, or generated as a byproduct.

No.	Pollutant of Concern	Known Absent	Suspected Absent	Suspected Present	Known Present	Annual Usage (lb./yr.)	Loss to Sewer (lb./yr.)
1.	asbestos (fibrous)		x				
2.	cyanide (total)		x				
3.	antimony (total)				x	<1 lb	NO DATA
4.	arsenic (total) (SEE BELOW)				x	<110 lbs	<2.9 JT
5.	beryllium (total)		x				
6.	cadmium (total)			x			
H 7.	chromium (total)				x	<125	ND U
H 8.	copper (total)				x	<5	NO DATA
9.	lead (total)		x				
10.	mercury (total)				x	<10	NO DATA
11.	nickel (total)			x			
12.	selenium (total)	x					
13.	silver (total)				x	<0.01	NO DATA
14.	thallium (total)	x					
15.	zinc (total)				x	<5	NO DATA
16.	acenaphthene	x					
17.	acenaphthylene	x					
18.	acrolein	x					
19	acrylonitrile	x					
20.	aldrin	x					
21.	anthracene	x					
22.	benzene	x					
23.	benzidine	x					
24	benzo(a)anthracene			x			ND U
25.	benzo(a)pyrene	x					
26.	benzo(b)fluoranthene	x					
27.	benzo(g,h,i)perylene	x					
28	benzo(k)fluoranthene	x					
29.	a-BHC(alpha)	x					
30.	b-BHC(beta)	x					
31.	d-BHC(delta)	x					
32.	G-BHC*(gamma)	x					
33.	bis(2-chloroethyl)ether	x					
34.	bis(2-chloroethoxy)methane	x					
35.	bis(2-chloroisopropyl)ether	x					
36.	bis(chloromethyl)ether		x				
37.	bromodichloromethane	x					

Revision 9/14/9898

#4 ARSENIC (TOTAL) 0.0016 mg/L (AVERAGE OF NINE ANALYSES TOTAL IN 2004/05
DETECTION LIMIT <0.002 mg/L to <0.005 mg/L

ESTIMATED AVERAGE ARSENIC = $0.0016\ mg/L \times \frac{2205\ LBS}{kg} \times \frac{1\ kg}{E6\ mg} \times \frac{3.785\ L}{gal} \times$ 220E6 Gal WASTE DISCHARGED/YR = 2.9 lbs/yr

SCOEPA00024102

38.	bis(2-ethythexyl)phthalate	X					
39.	bromoform		X				
40.	bromomethane	X					
41.	4-bromophenyl phenylether	X					
42.	butylbenzyl phthalate			X			ND U
43.	carbon tetrachloride	X					
44.	chlordane		X				
45.	4-chloro-3-ethylphenol		X				
46.	chlorobenzene	X					
47.	chloroethane	X					
48.	2-chloroethylvinyl ether	X					
49.	chloroform (SEE BELOW)				X	< 0.01	< 6.1 JT
50.	chloromethane	X					
51.	2-chloronaphthalene	X					
52.	2-chlorophenol	X					
53.	4-chlorophenylphenyl ether		X				
54.	chrysene	X					
55.	4,4'-DDE	X					
56.	4,4'- DDD	X					
57.	4,4'-DDT	X					
58.	dibenzo(a,h)anthracene	X					
59.	dibromochloromethane		X				
60.	1,2-dichlorobenzene	X					
61.	1,3-dichlorobenzene	X					
62.	1,4-dichlorobenzene	X					
63.	3,3-dichlorobenzidine	X					
64.	dichlorodifluoromethane	X					
65.	1,1-dichloroethane	X					
66.	1,2-dichloroethane	X					
67.	1,1-dichloroethene	X					
68.	trans-1,2-dichloroethene	X					
69.	2X,4-dichlorophenol	X					
70.	1,2-dichloropropane	X					
71.	(cis&trans)1,3-dichloropropene	X					
72.	dieldrin	X					
73.	diethyl phthalate	X					
74.	2,4-dimethylphenol	X					
75.	dimethyl phthalate	X					
76.	di-n-butyl phthalate	X					
77.	di-n-ocytl phthalate	X					
78.	4,6-dinitro-2-methylphenol	X					
79.	2X,4-dinitrophenol	X					
80.	2X,4-dinitrotoluene	X					
81.	2,6-dinitrotoluene	X					
82.	1,2-diphenythydrazine	X					
83.	endosulfan t	X					
84.	endosulfan tt	X					
85.	endosulfan sulfate	X					
86.	endrin	X					

#49 CHLOROFORM 0.0033 mg/L (AVERAGE OF NINE ANALYSES TOTAL IN 2004/2005)
DETECTION LIMIT < 0.005 mg/L

ESTIMATED AVERAGE CHLOROFORM

$$0.0033\ mg/L \times \frac{2.205\ LBS}{kg} \times \frac{1\ kg}{E6\ mg} \times \frac{3.785\ L}{gal} \times 220\ E6\ gal\ WASTE\ DISCHARGED\ PER\ YR. = 6.1\ LBS/YR$$

SCOEPA00024103

87.	endrin aldehyde	X					
88.	ethylbenzene				X	<7	ND U
89.	fluoranthene	X					
90.	fluorene	X					
91.	heptachlor	X					
92.	heptachlor epoxide	X					
93.	hexachlorobenzene	X					
94.	hexachlorobutadiene	X					
95.	hexachlorocyclobentadiene	X					
96.	hexachloroethane	X					
97.	indeno (1,2,3-cd)pyrene	X					
98.	isophorone	X					
99.	methylene chloride				X	<10	ND U
100.	naphthalene	X					
101.	nitrobenzene	X					
102.	2-nitrophenol	X					
103.	4-nitrophenol	X					
104.	n-nitroso-dimethylamine	X					
105.	n-nitroso-dipropylamine	X					
106.	n-nitroso-diphenylamine	X					
107.	PCB-1016	X					
108.	PCB-1221	X					
109.	PCB-1232	X					
110.	PCB-1242	X					
111.	PCB-1248	X					
112.	PCB-1254	X					
113.	PCB-1260	X					
114.	pentachlorophenol	X					
115.	phenyl anthracene	X					
116.	phenol			X			ND U
117.	pyrene	X					
118.	2,3,7,8-tetrachlorodibenzo-p-dioxin	X					
119.	1,1,2,2-tetrachloroethane	X					
120.	tetrachloroethene	X					
121.	toluene (SEE BELOW)				X	<3000	< 5.1 JT
122.	toxaphene	X					
123.	1,2,4-trichlorobenzene	X					
124.	1,1,1-trichloroethane				X		ND U
125.	1,1,2-trichloroethane	X					
126.	trichloroethene				X		ND U
127.	trichlorofluoromethane				X		ND U
128.	2,4,6-trichlorophenol	X					
129.	vinyl chloride				X		ND U

#121 TOLUENE 0.0028 mg/L (AVERAGE OF NINE ANALYSES IN 2004/2005)

DETECTION LIMIT: < 0.005 mg/L

ESTIMATED AVERAGE TOLUENE DISCHARGED = $0.0028\ mg/L \times \frac{2.205\ LBS}{kg} \times \frac{1\ kg}{E6\ mg} \times \frac{3.785\ L}{GAL} \times 220E6\ GAL\ WASTE\ DISCHARGED\ PER\ YR = 5\ lb/YR$

SCOEPA00024104

ATTACHMENT D BASELINE MONITORING REPORT FORM

City of Portland
Industrial Wastewater Discharge
Baseline Monitoring Report

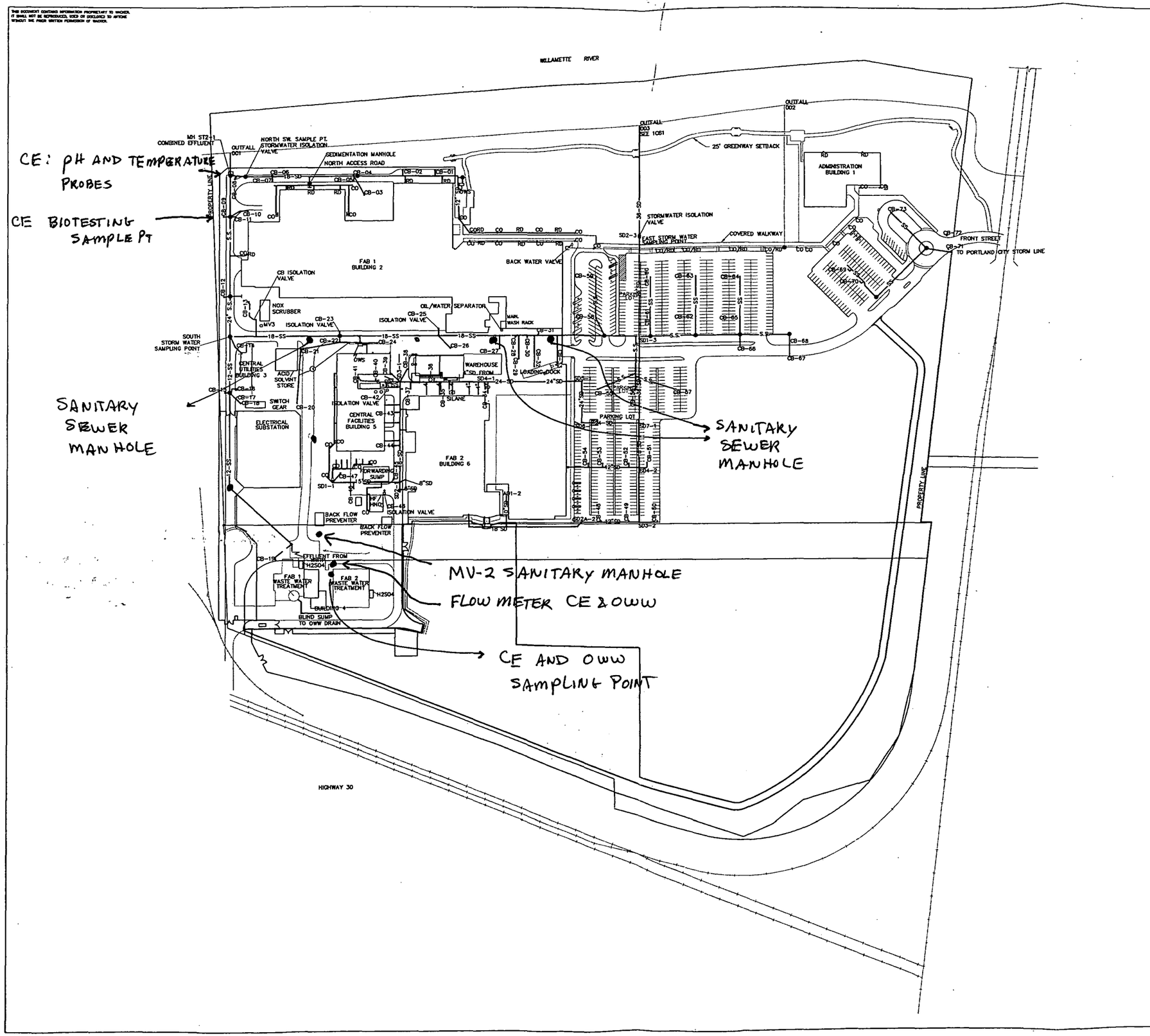
COMPANY NAME: _____ **PHONE NO.:** (503) _____
FACILITY ADDRESS: _____
PROCESS DESCRIPTION: _____
SAMPLING LOCATION: _____
SIC CODE(S): _____ **ESTIMATED FLOW (GPD):** _____

Analyze for all parameters indicated under *required sampling*. The sampling and analysis must be representative of normal work cycles and expected pollutant discharges.

Required Sampling	Pollutant	40 CFR 136 Method	Sample Type	Sample Date	Results (or estimates) mg/L or lbs.
	pH		Grab		
	Arsenic		Composite		
	Cadmium		Composite		
	Chromium		Composite		
	Copper		Composite		
	Lead		Composite		
	Mercury		Composite		
	Molybdenum		Composite		
	Nickel		Composite		
	Selenium		Composite		
	Silver		Composite		
	Zinc		Composite		
	Oil & Grease (total)	EPA 1664	Grab		
	Cyanide A		Grab		
	Cyanide T		Grab		
	Volatiles		Grab		
	Semi-volatiles		Grab		
	BETX		Grab		
	Ammonia				
	BOD5				
	TSS				

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE: _____ **DATE:** _____



KEYNOTES
1. SURFACE DRAIN TO CB.

REV.	DESC.	PROJ. NO.	BY	DATE	APP'D
5	CHANGED DRAINAGE ARROWS		EWK	01/28/05	J.C.
4	ADDED DRAINAGE ARROWS		EWK	10/17/03	J.C.
3	NUMBER ALL CATCH BASINS		EWK	07-02-01	P.H.
2	ADDED NORTH BUILDOUT SD	C9711300	EWK	12-1-98	
1	MODIFIED WAD PER MARKUP	E20537	E.W.K.	3-18-98	
0	COMBINED FAB1 & FAB2 DRAIN SYSTEMS		M.W.	1-7-97	–

Wacker Siltronic Corporation WACKER

P.O. BOX 83180 PORTLAND, OREGON 97283-0180

	BY	DATE
DRAWN	[illegible]	7-1-97
DESIGN	[illegible]	7-1-97
CHECK	[illegible]	7-2-97
APP'D		

SCALE 1 = 100

FILE NO. 1C089

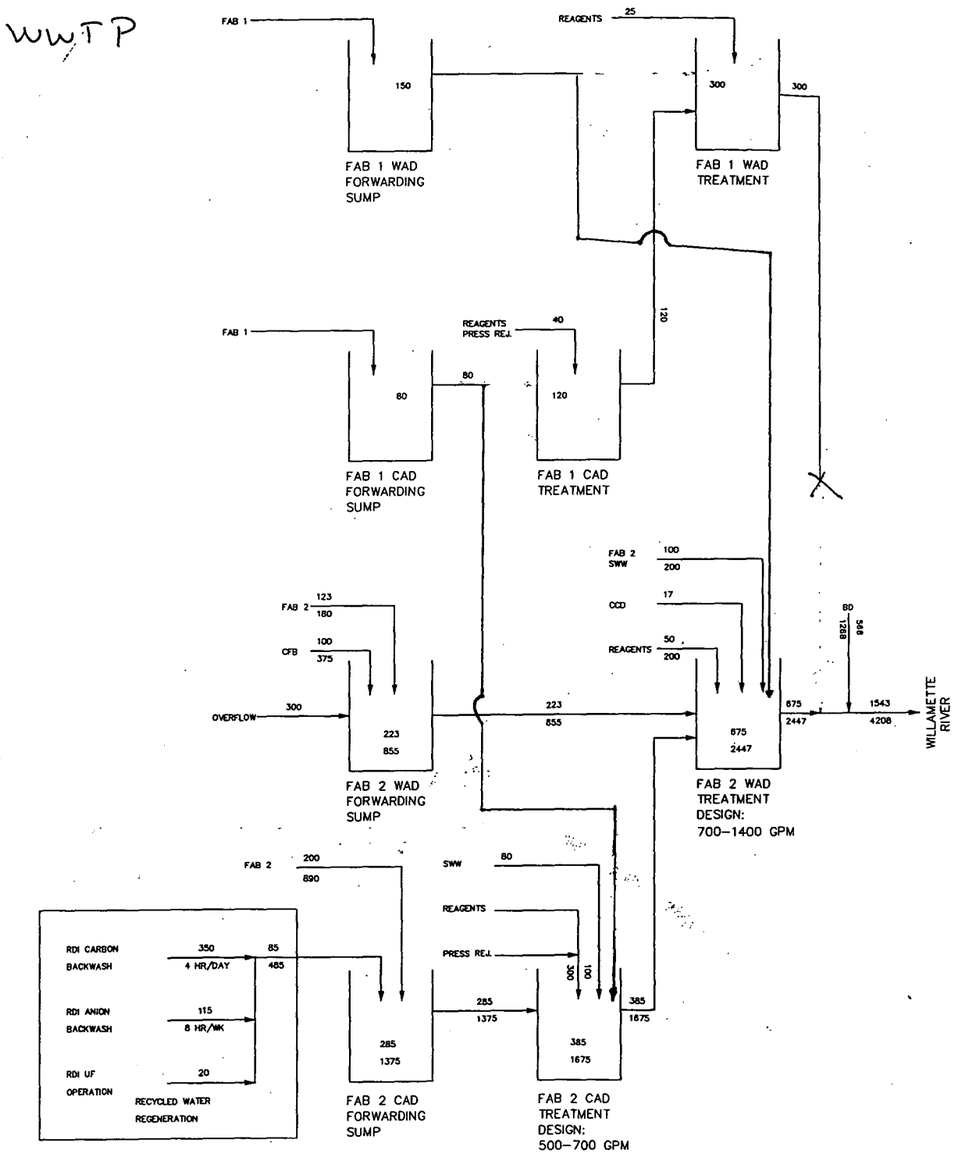
TITLE: SITE CIVIL OVERALL STORM DRAIN SYSTEM PLAN

SIZE DD DRAWING NO. 1C89

SCOEPA00024106

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO WACKER.
IT SHALL NOT BE REPRODUCED, NOR BE DISCLOSED TO ANYONE
WITHOUT THE PRIOR WRITTEN PERMISSION OF WACKER.

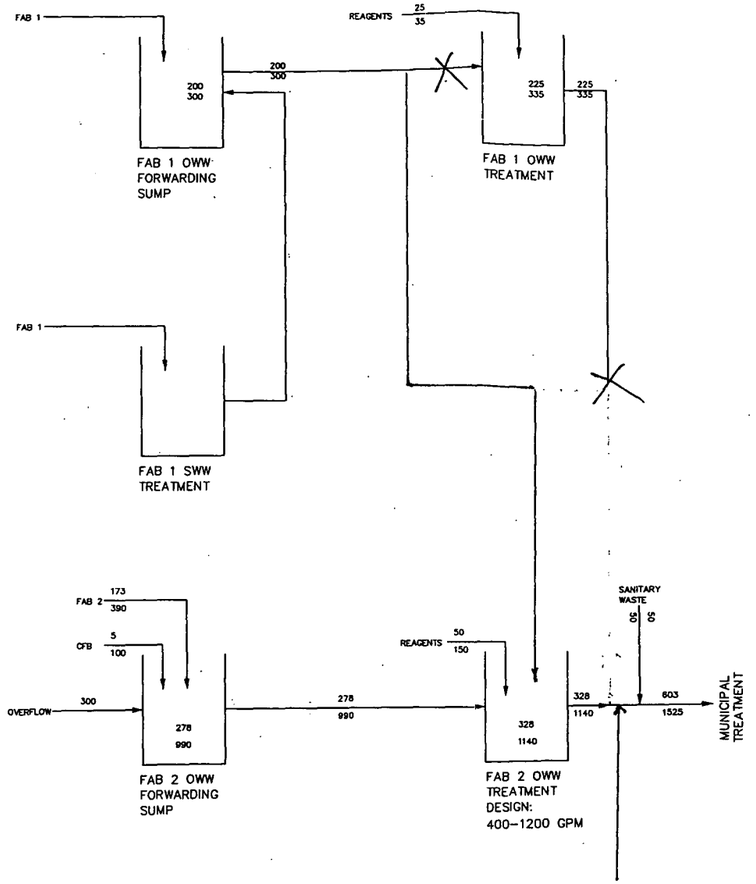
FAB1 WWTP OPERATIONS
HAVE BEEN REPLACED BY
FAB2 WWTP



WSC CAD AND WAD EST. FLOWS
MARCH 30, 1995

GENERAL NOTES
NUMBERS ARE IN GPM,
UPPER NUMBER IS A DAILY AVERAGE, LOWER NUMBER IS A MAXIMUM FLOW.

FAB1 WWTP OPERATIONS
HAVE BEEN REPLACED BY
FAB2 WWTP



WSC OWW ESTIMATED FLOWS
MARCH 30, 1995

GENERAL NOTES
NUMBERS ARE IN GPM,
UPPER NUMBER IS A DAILY AVERAGE, LOWER NUMBER IS A MAXIMUM FLOW.

REV.	DESCRIPTION	PROJ. NO.	BY	DATE	APP'D
X					

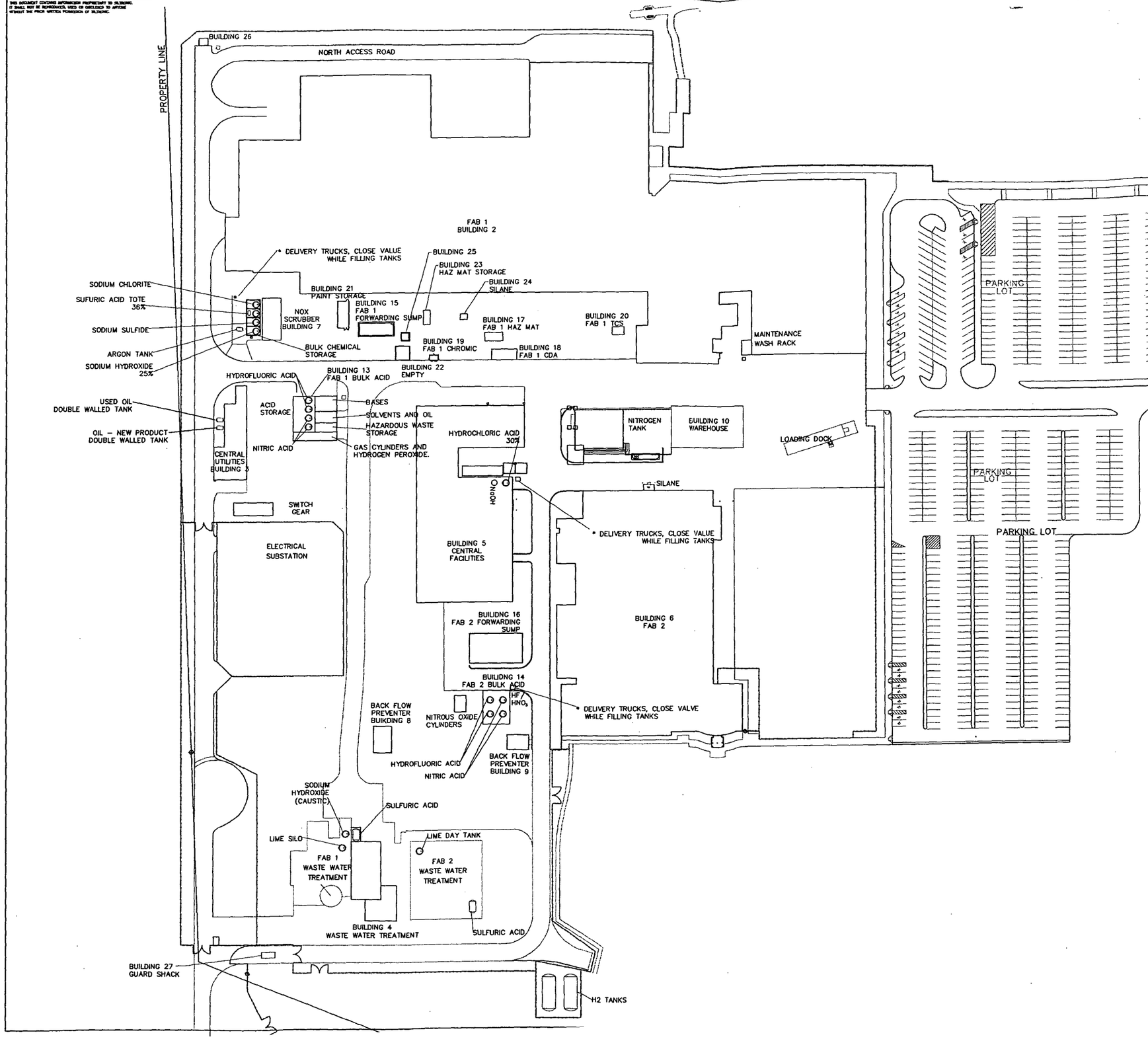
Wacker Siltronic Corporation
P.O. BOX 83180 PORTLAND, OREGON 97283-0180

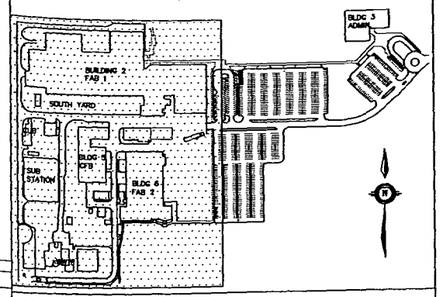
	BY	DATE
DRAWN	AP	1/4/01
DESIGN	MS	1/4/01
CHECK	MS	1/5/01
APP'D	MS	1/5/01
SCALE	NTS	
FILE NO.	4W65	

TITLE: WASTE WATER TREATMENT PLANT
FAB 1 AND FAB 2
ACID DRAIN FLOW DIAGRAM

SIZE: DD
DRAWING NO. 4W65

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO SILTRONIC. IT SHALL NOT BE REPRODUCED, USED OR DISCLOSED TO ANYONE WITHOUT THE PRIOR WRITTEN PERMISSION OF SILTRONIC.





All materials are stored in covered buildings or closed top tanks.

All outside materials stored in secondary containment

REV.	DESCRIPTION	PROJ NO.	BY	DATE	APP'D
3	REMOVED OIL TANKS NEAR GROWING, ADDED H2 TANKS				
	REMOVED GARDENING AREA AND ADDED DOUBLE WALL				
	DESCRIPTION TO OIL TANKS AT C.U.B.		EWK	01/28/05	J.C.
2	ADDED BUILDING LABLES CHANGED SCALE		EWK	01/28/05	J.C.
1	UPDATED CROMIC SHED AND TCS STORAGE		EWK	10/17/03	J.C.

siltronic
SILTRONIC CORPORATION
7200 NW FRONT AVE.
PORTLAND, OREGON 97210-3676

	BY	DATE
DRAWN	J.C.	9/21/00
DESIGN	J.C.	9/21/00
CHECK		
APP'D		
SCALE	ITE	

TITLE
SITE
CIVIL
HAZARDOUS MATERIAL STORAGE
PLAN

FILE NO. | SIZE | DRAWING NO.

SCOEPA00024108

CITY OF PORTLAND
ENVIRONMENTAL SERVICES

Water Pollution Control Laboratory
6543 N. Burlington Ave., Portland, Oregon 97203-5452
(503) 823-5600

INDUSTRIAL AND COMMERCIAL ENVIRONMENTAL SURVEY

Part II

The City of Portland (the City) is required by the federally mandated Pretreatment Program (40 CFR 403.8(f)(2)), to develop and implement procedures that:

(1) Identify and locate all possible Industrial and Commercial Users which might be subject to the Publicly Owned Treatment Works (POTW) Pretreatment Program requirements.

(2) Characterize the type and volume of pollutants contributed to the POTW by the Industrial and Commercial Users as identified under (1) above.

By completing the *Industrial and Commercial Environmental Survey*, Part II, you are helping the City complete its requirements.

Confidential Information

As outlined in 40 CFR 403.14 (a)-(c) and ORS 192.430, any information submitted to the City under the Pretreatment Program requirements may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission in the manner prescribed on the application form or instructions, or, in the case of other submissions, by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, the City may make the information available to the public without further notice. If a claim is asserted, the information will be treated in accordance with the procedures in 40 CFR part 2 (Public Information) and ORS 192.440(2).

Information and data provided to the City under these requirements which is effluent data shall be available to the public without restriction.

All other information which is submitted to the State or POTW shall be available to the public at least to the extent provided by 40 CFR 2.302 and ORS 192.440(2).

If, at any time, there is insufficient space to complete an answer, continue your response on a separate piece of paper. Indicate the section and question number next to your response.

INSTRUCTIONS: SECTION A. GENERAL INFORMATION

1. Enter the name of the company, *i.e.*, the name of the company legally responsible for this facility.

2. Enter the name of the facility, such as the name used on letterhead and/or correspondence or advertising.

3. Enter the street address where the facility is located.

4. Enter the *mailing* address of the facility, if different from the facility street address above.

5. Enter the name, title, telephone number, and fax number of the person who is most familiar with the facts reported on this form and who can be contacted by City staff. Generally, this person is the facility's maintenance supervisor or engineer.

CITY OF PORTLAND
ENVIRONMENTAL SERVICES

Water Pollution Control Laboratory
6543 N. Burlington Ave., Portland, Oregon 97203-5452
(503) 823-5600

INDUSTRIAL AND COMMERCIAL

ENVIRONMENTAL SURVEY

Part II

For Industrial Source Control Division Use Only
Date Postmarked/Received: [redacted] Date Entered: [redacted]
Entered By: [redacted]
Comments: [redacted]

SECTION A. GENERAL INFORMATION

Confidential Information - Indicate those sections of this questionnaire that you wish to remain confidential and your basis for requiring confidentiality. (Wastewater characteristics cannot be confidential.)

1. Siltronic Corporation
(Company Name)

2. Siltronic Corporation
(Facility Name)

3. 7200 NW Front Avenue
(Facility Address, Street)

Portland (City) | Oregon (State) | 97210-3676 (Zip Code)

4. _____
(Mailing Address, Street/PO. Box)

_____ (City) | _____ (State) | _____ (Zip Code)

5. Provide the name of the person to contact on information contained in this questionnaire:

Thomas C. McCue (Name) | (503) 219-7532 (Phone)

Environmental Affairs Manager (Title) | (503) 219-7599 (Fax)

Rev. 9-10-98

SCOEPA00024111

INSTRUCTIONS: SECTION B. FACILITY TYPE INFORMATION

1. Supply the requested information for all commercial activity done at the facility.

2. Check the appropriate box(es). If the manufacturing or service activities of your facility are not included in the table, mark other and indicate the activity (or activities) in the space provided. The heading "CFR" is an acronym for the Code of Federal Regulations, the codification of the general and permanent rules published in the *Federal Register* by the Executive departments and agencies of the Federal Government. The numbers below this heading indicate the part within Title 40 (Protection of the Environment) covering this activity. An asterisk (*) indicates that EPA has proposed regulations concerning those activities.

   If the manufacturing or service activities of your facility are covered in the proposed Metal Products and Machinery regulations, enter the activity in the space provided. **Be as specific as possible.**

   The proposed effluent limitation guidelines, pretreatment standards, and new source performance standards for the Metal Products and Machinery (Phase I and II) category have been proposed for adoption. The proposed regulations establish technology-based limits for the discharge of pollutants into the POTW by existing and new facilities that manufacture, maintain or rebuild finished metal parts, products, or machines. This category will include some industrial users presently covered by 40 CFR Parts 433 (Metal Finishing) and 464 (Metal Molding and Casting).

Part 438 - Typical Products Within Metal Products & Machinery Industries

Aerospace
Guided Missiles & Space Vehicle
Guided Missile & Space Vehicle Prop.
Other Space Vehicle & Missile Parts

Aircraft
Aircraft Frames Manufacturing
Aircraft Engines & Engine Parts
Aircraft Parts & Equipment
Airports, Flying Fields, & Services

Electronic Equipment
Telephone & Telegraph Apparatus
Radio & TV Communications Equipment
Communications Equipment
Electron Tubes
Electronic Capacitors
Electronic Coils & Transformers
Connectors for Electronic Applications
Electronic Components
Electric Lamps

Hardware
Cutlery
Hand & Edge Tools
Hand Saws & Saw Blades
Hardware
Screw Machine Products
Bolts, Nuts, Screws, Rivets & Washers

Fabricated Pipe & Fabricated Pipe Fittings
Fabricated Metal Products
Machine Tools, Metal Cutting Types
Machine Tools, Metal Forming Types
Special Dies & Tools, Die Sets, Jigs, Etc.
Machine Tool Accessories & Measuring Devices
Power Driven Hand Tools
Heating Equipment, Except Electric
Industrial Furnaces & Ovens
Fabricated Structural Metal
Fabricated Plate Work (Boiler Shops)
Sheet Metal Work
Architectural & Ornamental Metal Work
Prefabricated Metal Buildings & Components
Miscellaneous Metal Work

Mobile Industrial Equipment
Farm Machinery & Equipment
Garden Tractors & Lawn & Garden Equipment
Construction Machinery & Equipment
Mining Machinery & Equipment, Except Oil Field

Automotive Glass Replacement Shops
Automotive Transmission Repair Shops
General Automotive Repair Shops
Industrial Patterns
Rolling Mill Machinery & Equipment
Metal Working Machinery
Textile Machinery
Woodworking Machinery
Paper Industries Machinery
Printing Trades Machinery & Machinery
Food Product Machinery
Special Industry Machinery
Pumps & Pumping Equipment
Ball & Roller Bearings
Air & Gas Compressors
Blowers & Exhaust & Ventilation Fans
Packaging Machinery
Speed Changers, High Speed Drivers & Gears
Industrial Process Furnaces & Ovens
Mechanical Power Transmission Equipment
General Industrial Machinery
Automatic Vending Machines
Commercial Laundry Equipment

Note: Continued on the following page

SECTION B. FACILITY TYPE INFORMATION

1. List all business activities performed on-site. Attach additional sheets as needed.

Business Activity	SIC Code
Manufacturer of electronic crystalline material	3674

2. Check all applicable manufacturing or service activities performed at this facility:

	Manufacturing or Service Activities	CFR		Manufacturing or Service Activities	CFR
[ ]	Aluminum Forming	467	[ ]	Meat Products	432
[ ]	Asbestos Manufacturing	427	[ ]	Metal Molding and Casting (Foundries)	464
[ ]	Battery Manufacturing	461	[ ]	**Metal Products and Machinery**	**438***
[ ]	Builders' Paper and Board Mills	431	[ ]	Metal Finishing	433
[ ]	Carbon Black Manufacturing	458	[ ]	Mineral Mining and Processing	436
[ ]	Cement Manufacturing	411	[ ]	Nonferrous Metals Forming/Metal Powders	471
[ ]	Centralized Waste Treatment	437*	[ ]	Nonferrous Metals Manufacturing	421
[ ]	Coal Mining	434	[ ]	Oil and Gas Extraction	435
[ ]	Coil Coating (including Can making)	465	[ ]	Ore Mining and Dressing	440
[ ]	Copper Forming	468	[ ]	Organic Chemicals, Plastics, & Synthetic Fibers	414
[ ]	Dairy Products Processing	405	[ ]	Paint Formulating	446
[X]	Electrical and Electronic Components	469	[ ]	Paving and Roofing Materials (Tars and Asphalt)	443
[ ]	Electroplating	413	[ ]	Pesticide Chemicals (Formulating & Packaging)	455
[ ]	Explosives Manufacturing	457	[ ]	Petroleum Refining	419
[ ]	Feedlots	412	[ ]	Pharmaceutical Manufacturing	439
[ ]	Ferroalloy Manufacturing	424	[ ]	Phosphate Manufacturing	422
[ ]	Fertilizer Manufacturing	418	[ ]	Photographic Processing	459
[ ]	Fruits and Vegetables Processing	407	[ ]	Plastics Molding and Forming	463
[ ]	Glass Manufacturing	426	[ ]	Porcelain Enameling	466
[ ]	Grain Mills	406	[ ]	Pulp, Paper and Paperboard	430
[ ]	Gum and Wood Chemicals	454	[ ]	Rubber Processing	428
[ ]	Hospitals	460	[ ]	Seafood Processing	408
[ ]	Ink Formulating	447	[ ]	Soap and Detergent Manufacturing	417
[ ]	Inorganic Chemicals Manufacturing	415	[ ]	Steam Electric Power Generating	423
[ ]	Iron and Steel Manufacturing	420	[ ]	Sugar Processing	409
[ ]	Landfills and Incinerators	*	[ ]	Textile Mills	410
[ ]	Laundry, Industrial	441*	[ ]	Timber Products Processing	429
[ ]	Laundry, Linen	*	[ ]	Transportation Equipment Cleaning	
[ ]	Leather Tanning and Finishing	425	[ ]	**Metal Products & Machinery - details or activities:** _____	

_____

_____

SCOEPA00024113

Part 438 - Typical Products Within Metal Products & Machinery Industries, Continued

Metal Shipping Barrels, Drums, Kegs, Pails
Iron & Steel Forgings
Crowns & Closures
Metal Stampings
Steel Springs
Wire Springs
Miscellaneous Fabricated Wire Products
Fasteners, Buttons, Needles & Pins
Fluid Power Valves & Hose Fittings

Bus & Truck

Truck & Bus Bodies
Motor Vehicle Parts & Accessories
Truck Trailers
Local & Suburban Transit (Bus & Subway)
Local Passenger Trans. (Limo., Ambul.; Sight See)
Intercity & Rural Highways (Buslines)
School Buses
Bust Terminal & Service Buildings
Local Trucking Without Storage
Trucking
Local Trucking With Storage
Courier Services, Except by Air
Freight Truck Terminals, W/ or W/O Maintenance
Truck Rental & Leasing, Without Drivers

Household Equipment

Household Cooking Equipment
Household Refrig. & Home & Farm Freezers
Household Laundry Equipment
Electric Housewares & Fans
Household Vacuum Cleaners
Household Appliances
Electric Lamps
Current-Carrying Wiring Devices
Noncurrent-Carrying Wiring Devices
Residential Electrical Lighting Fixtures
Commercial, Ind. & Inst. Elec. Lighting Fixtures
Lighting Equipment
Radio & Television Sets Except Commn. Types
Radio & Television Repair Shops
Refrig. & Air Cond. Serv. & Repair Shops

Instruments

Coating, Engraving, & Allied Services
Search & Navigation Equipment
Laboratory Apparatus & Furniture
Automatic Environmental Controls
Process Control Instruments
Fluid Meters & Counting Devices
Valves & Pipe Fittings
Hoist, Industrial Cranes & Monorails
Industrial Trucks, Tractors, Trailers
Tanks & Tank Components

Ordnance

Small Arms Ammunition
Ammunition
Small Arms
Ordnance & Accessories

Stationary Industrial Equipment

Steam, Gas, Hydraulic Turbines, Generator Units
Internal Combustion Engines
Oil Field Machinery & Equipment
Elevators & Moving Stairways
Conveyors & Conveying Equipment
Instruments to Measure Electricity
Analytical Instruments
Measuring & Controlling Devices
Optical Instruments & Lenses
Surgical & Medical Instruments & Apparatus
Orthopedic, Prosthetic, & Surgical Supplies
Dental Equipment & Supplies
Ophthalmic Goods
Watches, Clocks, Associated Devices & Parts
Pens, Mechanical Pencils, & Parts
Manufacturing Industries
Miscellaneous Repair Shops & Related Services

Motor Vehicle

Carburetors, Piston Rings, Valves
Vehicular Lighting Equipment
Electrical Equipment for Motor Vehicles
Motor Vehicle Parts & Accessories
Motorcycles
Miscellaneous Transportation Equipment
Automotive Stampings
Motor Vehicle & Automotive Bodies
Mobile Homes
Travel Trailers & Campers
Taxicabs
Automotive Equipment
Automotive Dealers (new & used)
Gasoline Service Stations
Recreational & Utility Trailer Dealers
Motorcycle Dealers
Auto. Dealers (Dunebuggy, Go-cart, Snowmobile)
Passenger Car Rental
Passenger Car Leasing
Utility Trailer & Recreational Vehicle Rental
Top & Body Repair & Paint Shops
Auto Exhaust System Repair Shops
Refrigeration & Air & Heating Equipment
Measuring & Dispensing Pumps
Service Industry Machines
Fluid Power Cylinders & Actuators
Fluid Power Pumps & Motors
Scales & Balances, Except Laboratory
Industrial Machinery
Welding Apparatus
Transformers
Switchgear & Switchboard Apparatus
Motors & Generators
Relays & Industrial Controls
Electric Industrial Apparatus
Heavy Construction Equipment Rental
Equipment Rental & Leasing
Automotive Repair Shops
Automotive Service (includes Diagnostics. & Insp. Centers.)
Welding Shops (including Automotive)

Office Machine

Electronic Computers
Computer Storage Devices
Computer Terminals
Computer Peripheral Equipment
Calculating & Accounting Equipment
Office Machines
Photographic Equipment & Supplies
Computer Rental & Leasing
Computer Maintenance & Repair
Computer Related Services
Electrical & Electronic Repair

Precious & Non-precious Metals

Jewelry, Precious Metal
Silverware, Plated Ware, & Stainless
Jewelers' Materials & Lapidary Work
Musical Instruments
Costume Jewelry

Railroad

Railcars, Railway Systems
Line-Haul Railroads
Switching & Terminal Stations

Ships and Boats

Ship Building & Repairing
Boat Building & Repairing
Marines
Deep Sea Domestic Transportation of Freight
Freight Transportation on the Great Lakes
Water Transportation of Freight
Deep Sea Passenger Transportation, Except by Ferry
Water Passenger Transportation
Ferries
Towing & Tugboat Service
Water Transportation Services

SCOEPA00024114

THIS PAGE WAS INTENTIONALLY LEFT BLANK

INSTRUCTIONS: SECTION C. FACILITY OPERATIONS AND WATER USE INFORMATION

1. Enter the approximate month and year that operations began, or are proposed to begin.

2. Circle the days per week that your facility conducts business.

3. Indicate the number of hours per day that your facility conducts business.

4. Indicate the *shift start time* for each work shift at your facility. Consider each shift on the basis of normal starting time with shifts possible in a 24-hour period; only periods of production or process operation, including cleanup procedures, are to be considered as shift work.

   Enter the average *number of employees* that work each shift. The number of employees per shift should include office workers, executives, watch persons, etc. whose hours coincide with the times of production shifts. Add the number of employees per shift and then add all shifts to obtain total employment.

   Enter "NA" (or Not Applicable) for each item that does not apply to your facility.

5. Indicate, by checking the appropriate box, if the production at your facility is seasonal, such as food processing facility performing canning operations during harvest time.

   If "Yes" is checked, complete as requested.

6. Specify the number of days that your facility conducted business during the last calendar year.

7. Indicate by checking the appropriate box, if scheduled shutdowns occur at your facility, such as seasonal production or shutting down a production line over a holiday for scheduled maintenance and cleaning.

   If "Yes" is checked, complete as requested.

8. Water Service : List the supplier and your account number(s). List all account numbers related to the water sources. *Example*: - Powell Valley Road Water District, #M900891234.

   Surface Water: Includes any and all water from rivers, streams, ponds, lakes, etc.

   Well Water: No explanation required.

   Other sources: Specify if water is obtained from other sources not listed above, such as water that is trucked-in.

   City of Portland water bills are in units of a hundred cubic feet (ccf) where one ccf (hundred cubic feet) = 748 gallons. Use the following equation for calculating the average gallons per day (gpd) for water supply information:

   $$\text{Average gpd} = \frac{\text{Total water usage in the last 12 months (in ccfs) X 748}}{\text{Total number of operating days in 12 month period}}$$

Note: Continued on the following page

SECTION C. FACILITY OPERATIONS AND WATER USE INFORMATION

1. Enter date production began or will begin at this facility: 1/1980

2. Circle days per week of operation: (Sun) (Mon.) (Tues.) (Wed) (Thurs) Fri. (Sat)

3. Circle hours per day of operation: 8 10 12 16 (24) Other (specify): _____

4. Provide the following shift information:

Shift	Shift Start Time	No. of Employees
1st	7 a.m.-7 p.m.	332
2nd	7 p.m. - 7 a.m.	332
3rd	8 a.m. - 5 p.m.	330
	Total No. Employees	994
Domestic Use	= 35 gallons/employee	[redacted]

5. Is the business or proposed activity continuous throughout the year, Yes [X] No [ ]

or seasonal? Yes [ ] No [ ]

Indicate periods of maximum and minimum production:

Maximum: _____ Minimum: _____

6. List the total days of operation or production for the last calendar year: 365 days

7. Do scheduled shut-downs occur? Yes [ ] No [X] If "Yes," list time period(s):

From: _____ To: _____ From: _____ To: _____

8. Provide the applicable water supply information requested below:

List Water Supply Source(s)	Account Number	Usage (GPD)
Water Service, (#1): City Water Fab 1	161604	492,600
Water Service, (#2): City Water Fab 2	161603	1,099,200
Water Service, (#3):		
Surface Water:	[redacted]	
Well Water:	[redacted]	
Other (specify):	[redacted]	
	[redacted]	
	Total Daily Use	1,591,700

SCOEPA00024117

INSTRUCTIONS: SECTION C. FACILITY OPERATIONS AND WATER USE INFORMATION

9. This table tracks the use of water throughout your facility and the ultimate fate of the water. Enter the total water usage calculated in Section C Question 1. Complete the table listing the amount of incoming water for each item and the amount that is discharged for each listed item.

   - Indicate what volume of water for each item is discharged to the sanitary sewer, the storm sewer, a combined sewer, or to other, such as on-site or off-site disposal.
   - Check the appropriate *Raw Water Treatment* column. This is to identify if the incoming water is chemically treated prior to use. Some manufacturing processes require treatment of raw (or incoming) water before the water can be used in the process. These include dechlorination, ion exchange, etc.
   - If the exact amount of water is not known for each item, then estimate the amount as best as possible and note how the estimation is determined.

   Enter "NA" (or "Not Applicable") for each item of water use information that does not apply to your facility.

   Domestic Use: is any wastewater generated from dwellings, office buildings or institutions including, but not limited to, wastes from bathrooms, residential laundries, showers, and normal sink usage. It is not water used in any commercial or manufacturing capacity.

   Contained in Product: is any water that is a component of the product(s) manufactured at your facility.

   Process Water Discharged: is any water used in an industrial or commercial process that, as a result of process usage, contains pollutants. These pollutants may be liquid, solid or gaseous substances or combinations. Pollutants can result from any process of industrial manufacturing, commercial food processing, commercial food preparation (restaurants), business, mobile washers, agriculture, trade or research.

   An *Air Compressor:* may include the discharge of single past cooling water from the compressor head and compressor condensate drain water.

   An *Air Pollution Control Unit:* is any device used to control air emissions. For example, a wet scrubber using a water spray to remove solid, liquid, or gaseous contaminants from a gas stream. The water spray performs this removal by dissolving, trapping or chemically reacting with the contaminant.

   Backwash Water: is water used to clean filters or ion exchange units by passing a strong flow of water counter to the direction of normal flow. This action removes solids and other small particulate contaminants.

   Boiler Feed: is the clean feed water to a boiler unit.

   Boiler Blowdown: is the water used to remove used boiler water containing concentrated solids or treatment chemicals. Feed water replaces that water sent to the drain.

Note: Continued on the following page

SECTION C. FACILITY OPERATIONS AND WATER USE INFORMATION

9. Check all that are applicable to your facility and provide the appropriate flow information.

Water Use	Flow (gpd)	Raw Water Treatment [A]		Discharged				
		Yes	No	Sanitary Sewer	Storm Sewer	Combined Sewer	On-Site [B]	Off-Site [C]
Domestic Use	17,600			17,600				
Contained in Product	n/a							
Process Water Discharged	1,496,200					606,400		889,800
Air Compressor								
Air Pollution Control Unit	23,000							23,000
Backwash Water								
Boiler Feed/Blowdown	12							12
Cooling Water, Contact								
Cooling Water, Non-contact	50,000							50,000
Cooling Tower/Bleed-off								
Equipment Washing								
Irrigation								
Plant Cleanup/Washing								
Other (specify):								
Total (gpd)	1,591,700							

NOTES:

A. If raw water treatment is used, list the process(es) employed and how the treatment residuals or regenerants are disposed or discharged.

B. Describe how this water is handled on-site. For example: flows to an evaporator, a drain field, etc.

C. Describe how this water is handled off-site. For example: it is reclaimed, recycled, etc.

Discharged to Willamette River after on-site treatment to meet NPDES Permit Discharge requirements.

SCOEPA00024119

INSTRUCTIONS: SECTION C. FACILITY OPERATIONS AND WATER USE INFORMATION

Contact Cooling Water: is the water used to cool a process item, such as cutting water, quench tanks, rinse tanks. It is water that comes into contact with a process or a product and may be contaminated so that is cannot be reused or recycled without treatment.

Non-Contact Cooling Water: does not come in direct contact with any portion of the process or product. Mainly used in process heat exchangers.

Cooling Tower Water: is clean water fed to a cooling tower. [See also boiler feed water.]

Cooling Tower Bleed-off: is the water used to remove cooling water containing concentrated solids or treatment chemicals. Feed water replaces that water sent to the drain. [See also boiler blowdown.]

Equipment Washing: is water used in the maintenance and cleaning of production equipment at the facility.

Irrigation: is water used for landscape maintenance.

Plant Cleanup/Washing: is water that is used in the maintenance and cleaning of the facility, such as vehicle cleaning, facility washdown (inside and outside), etc.

Other: accounts for water uses not listed above.

A. If "Yes" has been checked for raw water treatment, list the process(es) in use or proposed and the chemicals to be added during treatment, in the space provided or on a separate sheet of paper.

B. If checked for on-site discharge or disposal, detail what is being discharged or disposed on-site, listing the process and the waste or regenerant involved.

C. If checked for off-site discharge or disposal, detail what is being discharged or disposed off-site, listing the process and the waste or regenerant involved, the transporter, and the destination.

THIS PAGE WAS INTENTIONALLY LEFT BLANK

SCOEPA00024121

INSTRUCTIONS: SECTION C. FACILITY OPERATIONS AND WATER USE INFORMATION

10. Check the appropriate box and complete as requested.

11. Complete as requested.

INSTRUCTIONS:
SECTION D. FACILITY MATERIAL STORAGE AND PROCESS INFORMATION

1. Many facilities store or produce chemicals in bulk quantities, larger than 25 gallons. These quantities pertain to chemicals that are routinely stored at this facility which are used, produced, distributed or otherwise handled. The twenty (20) most frequently reported hazardous substances are:

Acetone	Diesel fuel	Lacquer thinner	Propane
Acetylene	Gasoline	Motor oil	Solvent
Antifreeze	Hydraulic oil	Nitrogen	Sulfuric acid
Argon	Isopropyl alcohol	Oxygen	Thinner
Chlorine	Kerosene	Paint	Waste oil

The Superfund Amendments and Reauthorization Act (SARA) Title III, also known as the Emergency Planning and Community Right-to-Know Act of 1986(EPCRA), is intended to encourage and support local and state emergency planning efforts. It provides citizens and local governments with information about potential chemical hazards in their communities. SARA calls for facilities that store hazardous materials to provide officials and citizens with data on the types (flammables, corrosives, etc.) and quantities on hand. The inventories for reportable quantities of hazardous substances are filed with the Office of State Fire Marshal under the Hazardous Substance Survey program. You may attach a copy of your reportable quantities report in lieu of completing this table.

SECTION C. FACILITY OPERATION AND WATER USE INFORMATION

10. Check type(s) of meter(s) in use at your facility. Also indicate the number in use.

Credit Meter(s): _____ Yes [ ] No [X] Discharge Meter(s): 2 Yes [X] No [ ]

11. If a discharge meter is employed, list the manufacturer and describe the method of its operation, if known:

Manufacturer: Khrone

Description: Mag Flow Metere

SECTION D. FACILITY MATERIAL STORAGE AND PROCESS INFORMATION

1. Complete the table below for all chemicals greater than 25 gallons stored and used on-site. If you are required to provide a report to the Portland Fire Bureau or the State Fire Marshall's Office, per the Superfund Amendments and Re-authorization Act of 1986 (SARA Title III) requirements, you *may* submit a copy of this report in lieu of completing this table. Attach additional sheets as needed.

Chemical Name	Amount Stored	Storage [Check as appropriate] Inside	Storage [Check as appropriate] Outside	SARA Title III? (Y/N)
Example: Trichloroethene	30 gallons	√		Y
Fire Marshall's Report attached				

SCOEPA00024123

INSTRUCTIONS:
SECTION D. FACILITY MATERIAL STORAGE AND PROCESS INFORMATION

2. Check the appropriate box.

3. Complete the table as requested using the given example as a guide. List all raw materials used in any of the manufacturing processes. List also where the material is stored prior to use, and the daily average amount used.

4. Complete the table as requested using the given example as a guide. List all of the products manufactured at this facility.

SECTION D. FACILITY MATERIAL STORAGE AND PROCESS INFORMATION

2. Do you have floor drains in manufacturing or storage areas? Yes [K] No [ ]

3. List the raw materials utilized or stored on site. Indicate quantity using appropriate units:

Raw Materials	Stored [Check as appropriate] inside	outside	Daily Average (units)
Example: 3/4" steel tubing		√	1,500 pounds
Acids (HF, HCl,HNOB, H2SO4)		✓	5140 lbs
Caustics (KOH, NaOH)		✓	6193 lbs
Abrasives (Al2O3, SiC)		✓	2532 lbs
Lapping Vehicles (SiO2)		✓	2379 lbs
Wetting Agents/Surfactants		✓	72 lbs
Coolants, Lubricants, Oil, Solvents		✓	226 lbs
Antifoam		✓	171 lbs
Flucculants (Lime)		✓	1776 lbs
Organic bases		✓	687 lbs
Organic acids (acetic acid, citric acid)		✓	243 lbs
Silicon Ingots		✓	1500 lbs

4. List each product manufactured at this facility, indicating the appropriate production units:

Products	Units/Time
Example: Bicycle handlebars	150 per day
Wafers	15,000 per day

SCOEPA00024125

INSTRUCTIONS:
SECTION E. FACILITY PROCESS WASTEWATER INFORMATION

1. Check all wastewater characteristics that apply.

   High strength waste is any waste that contains organic or inorganic, dissolved or suspended particulate matter in excess of that which would be found in domestic waste water, such as food processing waste, brewery waste, restaurant waste, etc. Some of these waste streams may contain a high biochemical oxygen demand (BOD), chemical oxygen demand (COD), or high suspended solids (TSS).

2. If no pretreatment systems are used by your facility, indicate this in the space provided.

   Indicate which pretreatment system type(s) are used to treat your waste stream and indicate the design capacity for all pretreatment systems.

SECTION E. FACILITY PROCESS WASTEWATER INFORMATION

1. For each product listed in Section D, indicate the general characteristics of the wastewater generated during manufacturing process:

Wastewater Types		Wastewater Types, *Organic wastes*	
[X]	Acids and Acidic Wastes	[X]	Alcohols
[X]	Alkali and Caustic Wastes	[X]	Aldehydes, Ketones
[X]	Dyes, Coloring Agents	[ ]	Benzene and Benzene Derivatives
[ ]	Electroplating Wastes	[ ]	Ethers
[ ]	Fats, Grease (animal/vegetable)	[ ]	Flammable or explosive wastes
[ ]	Glues	[ ]	Halogenated Organic Compounds
[ ]	Hot Wastes (> 140° F)	[X]	Organic Acids
[ ]	Inks, Printing Wastes	[ ]	Pesticides, Herbicides, Rodenticides
[ ]	Metal Cleaning and Preparation Wastes	[ ]	Phenol-containing Wastes
[ ]	Metal Finishing Wastes	[ ]	Resins, Monomers
[X]	Paint, Pigment Wastes (Latex)	[ ]	Solvents, Thinners
[ ]	Paint, Pigment Wastes (Solvent-based)	[X]	Other Organic Chemicals:
[X]	Petroleum-based Oily Wastes		ORGANIC BASES
[X]	pH level: 5.0 - 11.5 , unknown [ ]	[ ]	_____
[ ]	Photographic Wastes		Other Wastes:
[ ]	Pickling Wastes		_____
[ ]	Radioactive Wastes		_____
[X]	Soaps, Surfactants, Detergents		_____
[X]	Soluble Oils, Lubricants	[ ]	High Strength Waste: BOD_5, COD, TSS
[X]	Waxes	[ ]	Toxics: Yes [ ] No [X] Don't Know [ ]
[ ]	Solid or viscous material: Yes [ ] No [X] Don't Know [ ]		

2. Is the facility's wastewater pretreated? [X] Yes [ ] **No Pretreatment System.**

If yes, check all that apply:

[ ] Air Flotation	[ ] Carbon Absorption	[X] Chemical Precipitation
[ ] Chlorination	[ ] Evaporation	[X] Filtration
[ ] Flow Equalization	[ ] Grease Trap	[ ] Grit Removal
[ ] Ion Exchange	[X] Neutralization, pH Control	[X] Oil/Water Separation
[ ] Reverse Osmosis	[ ] Screening/Grinder	[X] Sedimentation
[ ] Solvent Separation		

[ ] Biological Treatment, type: _____

[ ] Other Chemical Treatment, type: _____

[X] Rainwater Diversion or Storage: STORM WATER COLLECTION AROUND WASTE WATER TREATMENT PLANT

[ ] Other, type: _____

Design Capacity of System: 2,880,000 GPD

SCOEPA00024127

INSTRUCTIONS: SECTION F. FACILITY WASTEWATER DISCHARGE INFORMATION

1. Circle all that are appropriate.

2. Check the appropriate box.

3. Complete as requested.

   A Batch Discharge is the controlled discharge of a discrete volume of wastewater for a limited duration.

4. Check the appropriate box.

5. Complete the table as requested using the given example as a guide. Include all by-products and materials used in or generated from any and all facility processes

6. Circle the appropriate item, more than one if applicable.

   For off-site reuse: of by-products or wastes, complete the requested information.

   For off-site disposal: of by-products or wastes, complete the requested information.

   For off-site recycling: of by-products or wastes, complete the requested information.

SECTION F. FACILITY WASTEWATER DISCHARGE INFORMATION

1. Circle the months of the year when process wastewater discharges do occur or are planned to occur:

(Jan) (Feb) (Mar) (Apr) (May) (Jun) (Jul) (Aug) (Sept) (Oct) (Nov) (Dec)

2. Are or will the process wastewater discharges be continuous? [X] or batch? [ ]

3. If batch discharges occur or will occur, indicate the following:

   a. Percent of discharge as batch: _____

   b. Percent discharge as continuous: _____

   c. Number of batch discharges _____ (# per week) at _____ (hours per discharge)

   c. Approximate volume of a batch discharge: _____ gallons.

4. Do you discharge any wastes to the public sewers which, if disposed by other methods, would be regulated as a Resource Conservation and Recovery Act (RCRA) listed or characteristic hazardous waste?

   Yes [ ] No [X] Don't Know [ ]

5. List each by-product or waste, identify process source of by-product or waste, indicating the appropriate production units, and check whether the material is reused, sent off-site for disposal, or recycled:

By-Products/Waste	Process Source	Daily Average (units)	Reused	Disposal	Recycled
Chromic Acid/Chromic Debris	Lab waste	16.5 lbs/day		X	
Waste Wax/Alcohol	Polishing	18.4 lbs/day		X	
Solid Waste Recycled	Site	5106 lbs/day			X
Solid Waste Land filled	Site	3258 lbs/day		X	
Mercury Debris	Lab waste	0.22 lbs/day	Mercury recovery		
Misc. expired product/lab packs	Site	1.3 lbs/day		X	

6. Circle the applicable disposal method and provide the required information. Include additional information for more than one user or hauler on a separate sheet of paper:

(For off-site reuse:) (For off-site disposal:) (For off-site recycling:)

_____ _____
(User's Name or Hauler's Name) (Phone)

SEE ATTACHED SHEET
(Mailing Address, Street/PO Box)

_____ _____ _____
(City) (State) (Zip Code)

DEQ permit number: _____

SCOEPA00024129

INSTRUCTIONS: SECTION G. OTHER WASTES INFORMATION

1. a) Check the appropriate box(es) indicating the number of each type in use on-site.

   b) Check the appropriate box(es). If "Other," provide the information as required.

   c) Complete as requested. If "Other," provide the information as required.

   d) If a mobile cleaning services are used, complete the requested information.

2. Check the appropriate box.

   If equipment or vehicles are serviced on-site describe how, where, and by whom the wastes generated are disposed.

3. If "Yes," check the appropriate box. If "Other," describe how, where, and by whom the remediated groundwater is handled for disposal.

Note: Continued on the following page

Waste Haulers

Burlington Environmetal, Inc.

EPA ID	*Address*	*City*	*State*	*Zip*	*Phone*
WAR000001743	1629 E Alexander	Tacoma	WA	98421	(253) 383-304

ECOLIGHTS Northwest

EPA ID	*Address*	*City*	*State*	*Zip*	*Phone*
WAH000003582	P.O. Box 94291	Seattle	WA	94291	(206) 343-124

HRC Refining

EPA ID	*Address*	*City*	*State*	*Zip*	*Phone*
HRC Refining	1743 Cedardale Road	Mount Vernon	WA	98274	(800) 255-189

Metro Rooter & Plumbing Services

EPA ID	*Address*	*City*	*State*	*Zip*	*Phone*
METRO	P.O. Box 33585	Portland	OR	97292	(800) 200-045

Northwest Battery Supply

EPA ID	*Address*	*City*	*State*	*Zip*	*Phone*
NW Battery	3750 SE Belmont	Portland	OR	97214	(503) 231-573

Romic Environmental Tech

EPA ID	*Address*	*City*	*State*	*Zip*	*Phone*
CAD009452657	2081 Bay Road	East Palo Alto	CA	94303	(650) 324-163

Thermal Fluids

EPA ID	*Address*	*City*	*State*	*Zip*	*Phone*
ORQ000001974	914 S. Molalla Ave.	Oregon City	OR	97045	(503) 655-089

SECTION G. OTHER WASTES INFORMATION

1. Check all that apply:

a). Equipment or vehicles used on-site. Indicate the number in use:

Fork lifts [X] #4 Cranes [X] #28 (INDOOR USE ONLY) Trucks [X] #1 VAN 1 ELECTRIC

Tractors [X] #1 (GARDEN MOWER) Other (specify) [ ] _____

b). Cleaning of equipment or vehicles:

On-site [ ] Off-site [ ] Cleaned by facility staff [ ] Mobile cleaning service [ ]

c). Washwater discharged to: Sanitary sewer [ ] Storm sewer [ ] 100% recycled [ ]

taken off-site [ ] Other (specify) [ ] _____

2. Check all that apply:

a). Equipment or vehicles serviced on-site. Indicate the number in use:

Fork lifts [X] #4 Cranes [X] #28 (INDOOR USE ONLY) Trucks [ ] #_____

Tractors [X] #1 (GARDEN MOWER) Other (specify) [ ] _____

b). Mobile services used? Yes [X] No [ ] Services done: Inside [X] Outside [X]

c). Describe your disposal of used oil, steam cleaning wastes, anti-freeze, or other wastes:

The four fork lifts are serviced by a mobile service that comes on-site. Any waste oil or debris is removed by the mobile service.

All cranes are used indoors only. All are serviced by in-house and outside technicians, as needed. Any waste oil is added to on-site oil drums for recycling.

The garden lawn mower is serviced on-site in a building. During oil changes, absorptive pigs are used contain spills. Used oil is collected and added to on-site used oil drums. Re-fueling of mower usually occurs in the field. Absorptive pigs are used to contain any spills.

3. Do you have an ongoing groundwater remediation on site? Yes [ ] No [ ]

Remediated groundwater is discharged to the:

Sanitary sewer [ ] Storm sewer [ ] Other (specify) [ ]

_____

_____

_____

_____

SCOEPA00024132

INSTRUCTIONS: SECTION G. OTHER WASTES INFORMATION

4. Total facility area - includes all property at this facility.

   Roof area - includes all roofs.

   Parking lots - include paved and concreted areas, excluding graveled areas.

   Other impervious areas - includes any area not included above that prevents stormwater from percolating or absorbing into the ground.

   Indicate whether stormwater from each of the above sources is discharged to:

   - A Portland storm sewer in a *combined sewer* area where domestic wastes from toilets, etc. combine with stormwater.
   - A Portland storm sewer in a *separated sewer* area where domestic wastes from toilets, etc. do not combine with stormwater.
   - *On-site disposal* systems may include, but are not limited to, dry wells, soakage trenches, water quality ponds, etc.

   Use the following equation to calculate the average daily volume for each stormwater source. Annual rainfall is assumed to be 36 inches/year:

   Stormwater volume (average gpd) = Impervious Area (in ft^2) X 0.0615

5. Provide the information requested. If *Not Applicable* state that in the space provided.

6. Check the appropriate box.

7. Check the appropriate boxes. Complete as requested.

SECTION G. OTHER WASTES INFORMATION

4. Provide the applicable information requested below:

Stormwater Sources	Area (sq ft)	Discharge to: Combined Sewer	Storm Sewer	Sanitary Sewer	On-site Disposal	Average (daily gpd)
Total facility area	3,659,040					
Roof area	405,124		x			24,915*
Parking lots (paved/concrete)	1,191,596		x			73,246*
Other impervious areas						

* Using City's equation (impervious area, ft^2 x 0.0615

5. List all Environmental control permits held for or issued to this facility:

Type of Permit	Permit Number	Date Issued	Date Expires
NPDES Permit(s)	101128	5-2--2004	4-30-2009
General Stormwater	1200-Z	7-26-2002	6-30-2007
Air Discharge Permit	26-3002	10-11-1995	9-01-2000
RCRA/EPA Permit			
Other (specify)			
BES WW Discharge	469-001	3-16-2001	3-31-2006

6. Does this facility have a current, written spill contingency plan? Yes [X] No [ ]

7. Are expansion plans scheduled within the next three years? Yes [X] No [ ]

If Yes, check the appropriate box(es) for your facility's expansion plans:

Add New Products [ ] Same Products, additional capacity [X] Expand Current Facility [ ]

New Facility [ ] Relocate: [ ] within Portland [ ] outside of Portland [ ]

SCOEPA00024134

INSTRUCTIONS: RESPONSIBLE CORPORATE OFFICIAL CERTIFICATION

This form shall be signed by a Responsible Corporate Officer, a general partner or by a duly authorized representative.

40 CFR 403.12(l):

Signatory requirements for industrial user reports. The reports required by paragraphs (b), (d), and (e) of this section shall include the certification statement as set forth in 403.6(a)(2)(ii), and shall be signed as follows:

(1) By a responsible corporate officer, if the Industrial User submitting the reports required by paragraphs (b), (d) and (e) of this section is a corporation. For the purpose of this paragraph, a responsible corporate officer means (I) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operation facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

(2) By a general partner or proprietor if the Industrial User submitting the reports required by paragraphs (b), (d) and (e) of this section is a partnership or sole proprietorship respectively.

(3) By a duly authorized representative of the individual designated in paragraph (l)(1) or (l)(2) of this section if:

(3) (I) The authorization is made in writing by the individual described in paragraph (l)(1) or (l)(2);

(3) (ii) The authorization specifies either an individual or a position having responsibility for the overall operation of the facility from which the Industrial Discharge originates, such as the position of plant manager, operator of a well, or well field superintendent, or a position of equivalent responsibility, or having overall responsibility for environmental matters for the company; and

(3) (iii) the written authorization is submitted to the Control Authority.

(4) If an authorization under paragraph (l)(3) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for environmental matters for the company, a new authorization satisfying the requirements of paragraph (l)(3) of this section must be submitted to the Control Authority prior to or together with any reports to be signed by an authorized representative.

Photocopy the completed survey form for your records and return the original survey to:

Industrial Source Control Division
City of Portland Environmental Services
Water Pollution Control Laboratory
6543 N. Burlington Avenue
Portland, OR 97203-5452

RESPONSIBLE CORPORATE OFFICIAL CERTIFICATION

You have completed the *Industrial and Commercial Environmental Survey, Part II.* **Sign and return this questionnaire to the Industrial Source Control Division.**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. [40 CFR 403.6(a)(2)(ii)]

This certification is to be signed only by the Responsible Corporate Official as per 40 CFR 403.12(l)(1) (e.g. the president, treasurer, vice-president, general partner, or sole proprietor of the facility).

Responsible Corporate Official:

Thomas C. McCue	Environmental Manager
(Print name here)	(Title)
Thomas C McCue	503 219 7532
(Signature)	(Phone)

Date: 12/21/05

SCOEPA00024136

RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Due Date: December 02, 2005

Facility ID Number: 005268

2005
OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

SECTION A **HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

- [X] YES [ ] NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?
- [X] YES [ ] NO 2. Were Extremely Hazardous Substances (EHS) present at this site at or above the threshold planning quantities during this survey period
- [X] YES [ ] NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?
- [X] YES [ ] NO 4. Is this facility subject to the Process Safety Management (PSM) requirements of OR-OSHA?

SECTION B **DEMOGRAPHIC DATA** Complete, correct or add information in the [bracketed] areas.

1. NAICS CODE 1: 334413 DEFINITION: SEMICONDUCTOR & RELATED DEVICE MFG
2. NAICS CODE 2: DEFINITION:
3. BUSINESS ACTIVITY AT THIS SITE: MFG OF SILICON WAFERS
4. DUN & BRADSTREET #: 09-625-3737
5. OWNER/CEO/REG AGENT: NEIL NELSON
6. SEND TO ATTENTION OF: BRIAN BAILEY
7. E-MAIL ADDRESS: BRIAN.BAILEY@SILTRONIC.COM
8. BUSINESS NAME: SILTRONIC CORP
9. DEPT OR DIV:
10. SITE ADDRESS: 7200 NW FRONT AVE
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97210
11. MAILING ADDRESS: 7200 NW FRONT AVE
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97210
12. BUSINESS PHONE: 503-243-2020
13. NUMBER OF EMPLOYEES AT THIS SITE: ~~1600~~
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: BRIAN BAILEY
15. EMERGENCY CONTACT PHONES: DAY: 503-219-7801 NIGHT: 503-799-6064
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND BUREAU OF F&R & EMS

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

17. [X] YES [ ] NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: Security Console, H+S office
18. [X] YES [ ] NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. [ ] YES [X] NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. [X] YES [ ] NO ARE OTHER TYPES OF PLACARDS USED?

SECTION C **PERSON COMPLETING FORM**

Signature required: I certify that the information provided is true and accurate to the best of my knowledge. This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: Brian Bailey
2. SIGNATURE: Brian Bailey
3. Date: 11-23-05 Phone: 503-219-7801 Ext:

BRIAN BAILEY
SILTRONIC CORP

7200 NW FRONT AVE
PORTLAND, OR 97210

For office use only R

SCOEPA00024137

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ABC DRY CHEMICAL**

Hazardous Ingredient: **MONOAMMONIUM PHOSPHATE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	00	00	365	R 2 4	6.3	1044	7722761

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	20
☐	O	VARIOUS		NA	NA	V	10
☐							
☐							

Common Name or Trade Name: **ABRASIVE ALUMINUM OXIDE SOLUTION**

Hazardous Ingredient: **ALUMINUM OXIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	21	31	00	365	C 1 4	9.0		1344281

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	LAPPING PREP	A136	W	04
☐	I	FAB 1	1	LAPPING	C105	W	04
☒	I	FAB 2		NA	NA	V	03
☐	I	FAB 2	1	~~LAPPING~~ LAPPING PREP	6D108	C	20
☐							
☐							

Common Name or Trade Name: **ABRASIVE ALUMINUM OXIDE**

Hazardous Ingredient: **ALUMINUM OXIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	21	00	365	E 1 4 / K 1 4	6.4		1344281

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ABRASIVE ALUMINUM OXIDE**

Delete ☐

Delete ☐

Common Name or Trade Name: **ABRASIVE POWDER**

Hazardous Ingredient: **SILICON CARBIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [1]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	40	00	365	E 1 4 / K 1 4	9.0		409212

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLICING	C111	C	20
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	SLURRY PREP	6D115	C	11
☐							
☐							

Common Name or Trade Name: **ACETIC ACID 35%**

Hazardous Ingredient: **ACETIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [2]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	11	20	00	365	E 1 4	8.0	2789	64197

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	BULK ACID STRG	NA	NW	10
☐	I	FAB 2	1	SUBFAB MFG	6D103	C	04
☐							
☐							

Common Name or Trade Name: **ACETYLENE**

Hazardous Ingredient: **ACETYLENE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [1]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	11	11	11	00	365	L 2 4	2.1 / 6.3	1001	74862

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ACETYLENE**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MAINT SHOP	D121LT	S	10
☐	I	FAB 1	1	WELDING SHOP	H121	S	10
☐	I	VARIOUS	1	NA	NA	V	10
☐							
☐							

Common Name or Trade Name: **ALUMINUM CHLOROHYDRATE 50%**

Hazardous Ingredient: **POLY ALUMINUM CHLORIDE, HYDRATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	30	00	365	O 1 4 / C 1 4	9.0	3264	CAS No. if known: 1327419

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	W	20
☐							
☐							

Common Name or Trade Name: **AMBERJET UP4000**

Hazardous Ingredient: **QUAT AMINE DIVINYL BENZENE/STYRENE COPO**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	11	11	11	00	365	I 1 4 / C 1 4	6.3		CAS No. if known: 9017792

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	VARIOUS	NA	E	04
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **AMMONIUM HYDROXIDE 30%**

Hazardous Ingredient: **AMMONIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	11	30	00	365	N 1 4 / E 1 4	8.0 / 6.3	2672	1336216

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	TMAH STRG	BAY 6	SW	10
☐	I	FAB 1	1	NA	NA	V	03
☐	I	HAZMAT	1	NA	NA	SW	04
☐	O	FAB 1	1	DELIVERYMODULE	NA	SW	04
☐							
☐							

Common Name or Trade Name: **ANTIFOAM SAG ~~795, 710~~** [700

Hazardous Ingredient: **POLYDIMETHYL SILOXANE**

● No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	10	21	00	365	O 1 4 / E 1 4	9.0		63148629

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	D123	S	04
☐	I	FAB 1	1	WHSE	I 103	SE	10
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	WWTP	1	NA	NA	W	10
☐							
☐							

Common Name or Trade Name: **ANTIFREEZE**

Hazardous Ingredient: **ETHYLENE GLYCOL**

☑ No Longer Reportable
● 112R
☐ EHS
☐ PSM
[1] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	04	00	365	D 1 4	6.3	3082	107211

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ANTIFREEZE**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	L117	N	04
☐							
☐							

Common Name or Trade Name: **ARGON 80%/HELIUM 20%**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	30	00	365	L 2 4	2.2	1006	CAS No. if known: 7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐	I	FAB 2	1	EPI GASES	6C102	NW	20
☐	I	VARIOUS	1	NA	NA	V	10
☐							
☐							

Common Name or Trade Name: **ARGON LIQUID**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	30	30	31	00	365	A 2 7	2.2 6.3	1951	CAS No. if known: 7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	NOX		NA	NA	W	30
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ARGON**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	21	30	30	20	365	L 2 4	2.2	1006	7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐	I	FAB 1 TCS	1	TCS BUNKER	NA	E	20
☐	I	VARIOUS		NA	NA	V	11
☐							
☐							

Common Name or Trade Name: **ARSINE 10 PPM IN HYDROGEN**

Hazardous Ingredient: **ARSINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	20	20	10	02	365	L 2 4	2.1	2188	7784421

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPENT STRG	1	FAB 1 S YARD	NA	S	10
☐	I	FAB 1	2	HPM ROOM	K206	S	10
☐	I	FAB 1	2	HPM ROOM	K213	S	10
☐	I	FAB 1	2	HPM ROOMS	K203	S	10
☐							
☐							

Common Name or Trade Name: **AUTOMAT SOLUTION**

Hazardous Ingredient: **TETRAMETHYL AMMONIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	21	21	00	00	365	C 1 4	8.0	1835	75592

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **AUTOMAT SOLUTION**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CBS ROOM	E144	NE	11
☐	I	FAB 2		PROCESS SUPPORT	6D118	C	11
☐							

Common Name or Trade Name: **CARBON DIOXIDE**

Hazardous Ingredient: **CARBON DIOXIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM [1] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	10	20	20	02	365	L 2 4	2.2	1013	CAS No. if known: 124389
								6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐							
☐							

Common Name or Trade Name: **CHROMIC ACID SOLUTION**

Hazardous Ingredient: **CHROMIC ACID**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM [2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	N 1 4	8.0	1755	CAS No. if known: 11115745
							C 1 4			

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHROMIC DELIVRY	A 131	W	04
☐							
☐							

Common Name or Trade Name: **CIMTECH 95**

Hazardous Ingredient: **ETHANOLAMINE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM [2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	04	00	365	D 1 4	8.0	1760	CAS No. if known: 141435

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: CIMTECH 95

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MACHINE SHOP	H120	SE	04
☐							
☐							

Common Name or Trade Name: **CITRIC ACID**

Hazardous Ingredient: **CITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[1] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	30	00	365	N 1 4 / J 1 4	6.3	1759	CAS No. if known: 77929

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	FINEGRIT LAPPNG	C 105	W	11
☐	I	FAB 1	1	WHSE	I102	W	20
☐							
☐							

Common Name or Trade Name: **CRL 80**

Hazardous Ingredient: **CYCLOHEXYLAMINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	10	00	365	C 1 4 / E 1 4	6.3 / 4.5		CAS No. if known: 108918

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A101	NW	~~10~~ 04
☐							
☐							

Chemical Form

Fonkm base

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: ~~DETERGENT Q-9~~ Ferasil [Ferasil

Hazardous Ingredient: ~~POTASSIUM HYDROXIDE~~ [Anionic Tensides, Alkaline water, Polymers + organic Acids

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	11	20	30	00	365	E 1 4 / C 1 4	8.0	1814	1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	ACID ETCH	A130	W	04
☐	I	FAB 1	1	FINEGRIT LAPPIN	C105A	W	04
☐	I	FAB 1	1	SOLVENT ROOM	D125	S	~~10~~ 04
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	1	BASES ROOM	6C106	NE	04
☐	I	VARIOS		NA	NA	V	03
☐							

Common Name or Trade Name: **DEVEL A** [

Hazardous Ingredient: **ORTHO SODIUM SILICATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	11	11	20	00	365	N 1 4	9.0		1344098

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	NA	NA	V	02
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	2	NA	NA	V	02
☐							
☐							

Common Name or Trade Name: **DIBORANE 25-1000 PPM IN HYDROGEN**

Hazardous Ingredient: **DIBORANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration / CAS No. if known
3	3	21	30	30	11	365	L 2 4	2.1	1911	19287457

SCOEPA00024146

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: DIBORANE 25-1000 PPM IN HYDROGEN

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPANT STRG FUL	1	DOPANT STRG FUL	NA	C	20
☐	I	FAB 1	2	2ND FLR EPI	NA	S	20
☐	I	FAB 2	1	EPI GASES	6C102	E	20
☐							
☐							

Common Name or Trade Name: **DIESEL**

Hazardous Ingredient: **PETROLEUM DISTILLATES**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	20	00	365	C 1 4	3.3	1202	68476346

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
	I	CFB	1	GENERATOR ROOM	A107	S	11
☐	I	CUB	1	GENERATOR ROOM	NA	NW	~~11~~ 20
☐							
☐							

Common Name or Trade Name: **DIPROPYLENE GLYCOL**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	31	00	365	D 1 4 / R 1 4	9.0		25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MWS SLURRY PREP	L117	NW	04
☐	I	FAB 1	1	PLATE PREP	C120/121	N	04
☐	I	FAB 1	1	SLICING	C111	N	11
☐	I	FAB 1	1	WHSE	I103	SE	~~11~~ 20
☐	I	FAB 2	1	MWS SLURRY	6D115	NW	04

SCOEPA00024147

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: DIPROPYLENE GLYCOL

Delete ☐

Delete ☐

Common Name or Trade Name: **DOWFROST GLYCOL**

Hazardous Ingredient: **PROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	04	00	365	R 1 4 / D 1 4	9.0		CAS No. if known: 57556

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	04
☐	I	FAB 2	2	CHILLING LOOP	NA	V	10
☐	I	CFB	1	CHILLERS	A to Y	E	04
☐							

Common Name or Trade Name: **ERKAMAR 3260**

Hazardous Ingredient: **MALEIC MODIFIED ROSIN ESTER**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	10	11	20	00	365	K 1 4	9.0		CAS No. if known:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	11
☐							
☐							

Common Name or Trade Name: **ETCHING SOLUTIONS**

Hazardous Ingredient: **NITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	04	00	365	R 1 4	8.0 / 6.3		CAS No. if known: 7697372

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: ETCHING SOLUTIONS

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	ACID STRG	BAY 1	NW	04
☐	I	FAB 1	1	ACID ETCH	A130	W	04
☐	I	FAB 1	1	BATCH CLEAN	B122	W	04
☐	I	FAB 2	1	ACID ETCH	6B105	SW	04
☐							
☐							

Common Name or Trade Name: ~~ETHYLENE GLYCOL~~ Dow Therm 4002

Hazardous Ingredient: ETHYLENE GLYCOL

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[1] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	11	00	365	D 1 4 / R 1 4	6.3 / 6.4	3082	CAS No. if known: 107211

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHILLING LOOP	NA	V	04
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: FERASIL

Hazardous Ingredient: ORGANIC ACIDS

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	20	20	00	365	E 1 4 / R 1 4	8.0 / 6.3		CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **GRO PRO**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	20	00	365	E 1 4 / R 1 4	9.0	1813	CAS No. if known: 1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A104	W	11
☐	I	FAB 1	1	NA	NA	V	03
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: **HELIUM**

Hazardous Ingredient: **HELIUM**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	30	00	365	L 2 4	2.2	1046	CAS No. if known: 7440597

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐							
☐							

Common Name or Trade Name: **HYDROCHLORIC ACID 31-37%**

Hazardous Ingredient: **HYDROCHLORIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	21	00	365	E 1 4 / C 1 4	8.0	1789	CAS No. if known: 7647010

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	NE	1
☐	I	FAB 1 BULK CHEM	1	ACID STRG	BAY 1	NW	20
☐	I	FAB 1	1	CHEM DELIVERY	E142	NE	04

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: HYDROCHLORIC ACID 31-37%

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHEM STRG	K132	SE	04
☐	I	FAB 1	1	RODI ROOM	F101	S	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C104	NE	04
☐	I	FAB 2	2	CELL 8	6D232	NE	04
☐	I	HAZMAT	1	ACID SIDE	NA	C	04
☐	O	CFB		ACID TANK	NA	NE	21
☐							
☐							

Common Name or Trade Name: HYDROFLUORIC ACID 48%-50%

Hazardous Ingredient: HYDROFLUORIC ACID

☐ No Longer Reportable
☒ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
							E 1 4	8.0		
2	2	20	21	30	00	365	A 1 4	6.1	1790	CAS No. if known: 7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1		BULK CHEM DELIV	K132	SE	04
☐	I	FAB 1	1	BULK CHEM DELIV	E142	N	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C104	NE	04
☐	I	FAB1 BULK CHEM	1	ACID STRG	BAY 1	NW	20
☐	I	HAZMAT	1	ACID SIDE	NA	C	04
☐	I	FAB 1	1	Quartz cleaning	K121	SE	04
☐							

Common Name or Trade Name: HYDROFLUORIC ACID 60%

Hazardous Ingredient: HYDROFLUORIC ACID

☐ No Longer Reportable
☒ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
							A 1 4	6.1		
2	2	20	21	30	00	365	C 1 4	8.0	1790	CAS No. if known: 7664393

SCOEPA00024151

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: HYDROFLUORIC ACID 60%

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	CELL 4	6B110	W	03
☐	O	FAB 2 BULK CHEM		HF/NNO3 PAD	NA	S	20
☐							
☐							

Common Name or Trade Name: **HYDROGEN CHLORIDE**

Hazardous Ingredient: **HYDROGEN CHLORIDE**

☐ No Longer Reportable
☐ 112R
☒ EHS
☐ PSM
1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	21	40	50	41	365	L 2 4	2.2	1050	CAS No. if known: 7647010
								8.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐	I	FAB 1	2	HPM ROOM	K213	SE	20
☐	I	FAB 1	2	HPM ROOMS	K203	SE	20
☐	I	FAB 1	2	HPM ROOMS	K206	SE	20
☐	I	FAB 2	1	EPI GASES	C6102	NW	20
☐							
☐							

Common Name or Trade Name: **HYDROGEN LIQUID**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable
☒ 112R
☐ EHS
☒ PSM
1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	30	30	43	00	365	A 2 7	2.1	1966	CAS No. if known: 1333740
								6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	BULK CRYO TANK		HYDROGEN PAD	NA	C	30
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROGEN PEROXIDE 30%**

Hazardous Ingredient: **HYDROGEN PEROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	30	30	00	365	N 1 4 / E 1 4	5.1 / 8.0	2014	5749-7 / 7722841

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	04
☐	I	FAB 1	1	CHEM DELIVERY	E141	NE	04
☐	I	FAB 1	1	CHEM DELIVERY	K130	SE	04
☐	I	FAB 2	1	CHEM DELIVERY	6C109	NE	04
☐	I	FAB1 BULK STRG	1	TMAH STRG	BAY 6	SW	20
☐	I	HAZMAT	1	PEROXIDE SIDE	NA	W	04
☐	O	FAB 1	1	DELIVERYMODULE	NA	W	04
☐							
☐							

Common Name or Trade Name: **HYDROGEN**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	21	30	30	00	365	K 2 4	2.1	1049	/ 1333740

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPANT STORAGE	1	S OF FAB 1	NA	C	21
☐	I	FAB 1 BULK CHEM		CYLINDER STORAG	BAY 5	SE	11
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOM	K203	SE	20
☐	I	FAB 1	2	HPM ROOM	K206	SE	20
☐	I	FAB 1	2	HPM ROOM	K213	SE	20
☐	I	FAB 2	1	EPI GASES	6C102	NW	20
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROGEN**

Delete ☐

Common Name or Trade Name: **INERGEN**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	30	30	00	00	365	L 2 4	2.2		7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	ADMIN	1	COMPUTER ROOM	NA	C	21
☐	I	FAB 1	1	COMPUTER ROOM	D119	C	20
☐	I	FAB 2	1	COMPUTER ROOM	6A137	S	20
☐	I	FAB 2	1	COMPUTER ROOM	6D111	W	20
☐	I	FAB 2	1	COMPUTER ROOM	6D112	NE	20
☐							
☐							

Common Name or Trade Name: **ISOPROPYL ALCOHOL 10%**

Hazardous Ingredient: **ISOPROPYL ALCOHOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	10	00	00	365	N 1 4	3.2 / 6.3	1219	67630

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	NA	NA	V	00
☐	I	FAB 2	1	NA	NA	V	00
☐	I	FAB 2	2	NA	NA	V	00
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ISOPROPYL ALCOHOL**

Hazardous Ingredient: **ISOPROPYL ALCOHOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[1] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	11	20	00	365	D 1 4 / N 1 4	3.2 / 6.3	1219	CAS No. if known: 67630

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	FLAMM STRG	BAY 3	E	10
☐	I	FAB 1	1	SOLVENT ROOM	D125	S	04
☐	I	FAB 2	1	SOLVENT ROOM	6C105	NE	04
☐							
☐							

Common Name or Trade Name: **KEMILIME**

Hazardous Ingredient: **CALCIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[1] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	11	20	11	00	365	J 1 4	8.0 / 6.3	1910	CAS No. if known: 1305620

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	V	20
☐							
☐							

Common Name or Trade Name: **LEAD ACID BATTERIES-WET**

Hazardous Ingredient: **SULFURIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	20	20	365	R 1 4	8.0 / 6.3	2800	CAS No. if known: 7664939

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	ELECTRICAL	A106	SW	20
☐	I	FAB 1	1	ELECTRICAL	A102	W	20
☐	I	FAB 1	1	ELECTRICAL	H115	SE	20

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: LEAD ACID BATTERIES-WET

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	ELECTRICAL	L116	NW	20
☐	I	FAB 2	1	BATTERY ROOM	6B109	NW	20
☐							
☐							

Common Name or Trade Name: **LIME SOLUTION**

Hazardous Ingredient: **CALCIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	00	00	365	A 1 4 / C 1 4	8.0 / 6.3		CAS No. if known: 1305620

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		DAY TANK	NA	E	21
☐							
☐							

Common Name or Trade Name: **LIME**

Hazardous Ingredient: **CALCIUM OXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	50	00	365	A 1 4 / C 1 4	6.3	1910	CAS No. if known: 1305788

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		LIME SILO	NA	NW	30
☐							
☐							

SCOEPA00024156

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **LUTENSOL AP 10**

Hazardous Ingredient: **ALKYLPHENOLETHOXYLATE**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	20	00	365	C 1 4 / E 1 4	6.3		CAS No. if known: 68412544

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	D123	S	10
☐	I	FAB 1	1	WHSE	I103	SE	10
☐							
☐							

Common Name or Trade Name: **MAGNAFLOC 120L**

Hazardous Ingredient: **SODIUM ACRYLATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	E 1 4	6.3		CAS No. if known: 25085023

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	N	04
☐							
☐							

Common Name or Trade Name: **NCT-3**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	11	00	365	E 1 4 / R 1 4	8.0		CAS No. if known: 1310732

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CUB	1	NA	NA	S	11
☐	I	FAB 1	1	RODI	F101	S	04
☐	I	FAB 1	1	SLURRY PREP	F105	S	04
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **NCT-3**

Delete ☐

Common Name or Trade Name: **NITRIC ACID 70%**

Hazardous Ingredient: **NITRIC ACID**

☐ No Longer Reportable
☐ 112R
☒ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	21	21	40	00	365	D 1 4 / A 1 4	8.0 / 6.3	2031	7697372

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	BCD	K131	SW	04
☐	I	FAB1 BULK CHEM	1	ACID STRG	BAY 1	NW	21
☐	O	FAB2 BULK CHEM		HF/HNO3 PAD	NA	S	21
☐							
☐							

Common Name or Trade Name: **NITROGEN CRYOGENIC**

Hazardous Ingredient: **NITROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	2	21	30	40	00	365	A 2 7 / S 2 7	2.2 / 6.3	1977	7727379

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	BULK CRYO TANK		NITROGEN PAD	NA	C	30
☐							
☐							

Common Name or Trade Name: **NITROGEN TRIFLUORIDE**

Hazardous Ingredient: **NITROGEN TRIFLUORIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	10	10	10	00	365	L 2 4	2.2 / 5.1	2451	7783542

SCOEPA00024158

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: NITROGEN TRIFLUORIDE

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	EPI GASES	C6102	NW	10
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	10
☐							
☐							

Common Name or Trade Name: **NITROGEN**

Hazardous Ingredient: **NITROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	31	31	40	00	365	L 2 4	2.2	1066	CAS No. if known: 7727379

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOMS	K203	S	20
☐	I	FAB 1	2	HPM ROOMS	K206	S	30
☐	I	FAB 1	2	HPM ROOMS	K213	S	20
☐	I	FAB 2	1	GASES RM	6C102	NW	20
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐							
☐							

Common Name or Trade Name: **NITROUS OXIDE**

Hazardous Ingredient: **NITROUS OXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	30	30	21	00	365	L 2 4	5.1	1070	CAS No. if known: 10024972

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	N2O PAD		N2O PAD	NA	N	30
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **NITROUS OXIDE**

Delete ☐

Common Name or Trade Name: **OIL SPILL CONTROL**

Hazardous Ingredient: **SODIUM SILICATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	10	10	00	00	365	E 1 4	6.4	9188	CAS No. if known: 1344098

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	ERT SHED	1	NA	NA	C	10
☐							
☐							

Common Name or Trade Name: **OILS**

Hazardous Ingredient: **PETROLEUM HYDROCARBON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN . Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: 34704-352
2	2	20	20	20	00	365	A 1 4	6.3	1270	CAS No. if known: 64742547

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CUB	1	CHILLERS	A104	W	04
☐	I	CUB	1	NA	NA	V	03
☐	I	CUB	1	NA	NA	W	04
☐	I	FAB 1	1	FAC MAINT SHOP	H123	SE	04
☐	I	FAB 1	1	FAC MAINT SHOP	H125	SE	04
☐	I	FAB 1	1	MACHINE SHOP	H120	SE	04
☐	I	FAB 1	1	METALS FAB	H117	SE	04
☐	I	FAB 1	1	MWS SLURRY PREP	L117	N	10
☐	I	FAB 1	1	POLISH SERV LOT	E109	NW	10
☐	I	FAB 1	1	POLISH SERV LOT	E109A	NW	0
☐	I	FAB 1	1	WHSE	I103	SE	04

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **OILS**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	BULK CHEM DELIV	C6105	NE	04
☐	I	FAB1 BULK CHEM	1	SOLVENT STRG	BAY 3	E	10
☐							
☐							

Common Name or Trade Name: **OXYGEN LIQUID**

Hazardous Ingredient: **OXYGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	10	10	20	00	365	L 2 7	2.2	1073	CAS No. if known: 7782447
								5.1		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB 1		O2 STATION	NA	W	10
☐	O	FAB 2		O2 STATION	NA	NW	10
☐							
☐							

Common Name or Trade Name: **OXYGEN**

Hazardous Ingredient: **OXYGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	20	00	365	L 2 4	2.2	1072	CAS No. if known: 7782447
								5.1		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	METALS FAB	H117	SE	10
☐	I	FAB 1	1	WELDING	H121	SE	11
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	11
☐	O	FAB 1		MAINT LEANTO	D121LT	NW	11
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **PETROLEUM GREASES MISC.**

Hazardous Ingredient: **HEAVY NAPHTHENIC DISTILLATES**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	10	11	20	00	365	E 1 4 / R 1 4	4.5 / 6.4		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB		NA	NA	V	03
☐	I	FAB 1		NA	NA	V	03
☐	I	FAB 2		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **PHOSPHINE 5-999 PPM IN HYDROGEN**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	21	21	30	11	365	L 2 4	2.3 / 2.1	2199	1333740

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPANT STRG	1	S OF FAB 1	NA	C	21
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOM	K203	SE	20
☐	I	FAB 1	2	HPM ROOM	K206	SE	20
☐	I	FAB 1	2	HPM ROOM	K216	SE	11
☐	I	FAB 2	1	EPI GASES	6C102	NW	11
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POLISHING SLURRY**

Hazardous Ingredient: ~~**AMORPHOUS SILICA**~~ Silicon dioxide

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	30	40	00	365	J 1 4	6.4		CAS No. if known: 7631869

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	POLISHING	E102	N	04
☐	I	FAB 1	1	POLISHINGRETURN	E101	N	04
☐	I	FAB 1	1	SLURRY PREP	F103	S	10
☐	I	FAB 1	1	WET BLAST	C132A	C	04
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	NA	NA	V	03
☐	I	FAB 2	1	PROCESS SUPPORT	6D118	N	21
☐	I	FAB 2	2	POLISHING CHASE	6D239	C	10
☐	I	FAB 2	2	POLISHING CHASE	6D241	C	10
☐	I	FAB 2	2	POLISHING CHASE	6D245	C	04
☐							
☐							

Common Name or Trade Name: **POLYTREAT 3**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	11	00	365	N 1 4	6.3	1814	CAS No. if known: 1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A101	NW	10
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POTASSIUM CARBONATE**

Hazardous Ingredient: **POTASSIUM CARBONATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	40	00	365	I 1 4 / J 1 4	6.3		CAS No. if known: 584087

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	F103	S	11
☐	I	FAB 1	1	WHSE	I103	SE	20
☐							
☐							

Common Name or Trade Name: **POTASSIUM DICHROMATE SOLUTION**

Hazardous Ingredient: **POTASSIUM DICHROMATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	C 1 4 / N 1 4	6.1 / 8.0	3289	CAS No. if known: 7778509

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHROME DELVRYRM	A131	W	04
☐							
☐							

Common Name or Trade Name: **POTASSIUM HYDROXIDE SOLN**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	00	00	365	C 1 4	8.0 / 6.3	1814	CAS No. if known: 1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	ACID ETCH	A130	NW	04
☐	I	FAB 2	1	ACID ETCH	6B105	SW	0
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POTASSIUM HYDROXIDE**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☒ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	41	00	365	J 1 4	6.3	1813	

CAS No. if known: 1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	POSTLAP CAUSTIC	C132	W	11
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	ACID ETCH CHASE	6B110	W	04
☐							
☐							

Common Name or Trade Name: **PROPANE**

Hazardous Ingredient: **PROPANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☒ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	11	20	20	00	365	L 2 6	6.3	1075	

CAS No. if known: 74986

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB 1		OUTSIDE WHSE	NA	SE	11
☐							
☐							

Common Name or Trade Name: **REFRIGERANT 22**

Hazardous Ingredient: **CHLORODIFLUOROMETHANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☒ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	03	03	03	00	365	L 2 4	6.3	1018	

CAS No. if known: 75456

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2		NA	NA	V	01
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	02
☐	I	HVAC SHED		S YARD	NA	S	02

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: REFRIGERANT 22

Delete ☐

Delete ☐

Common Name or Trade Name: **ROQUEST 3000**

Hazardous Ingredient: **CATIONIC POLYMER**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	11	00	365	E 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	04
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: **RP TEAM**

Hazardous Ingredient: **DIETHANOLAMINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	10	11	00	365	E 1 4	9.0		111422

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	D123	C	10
☐	I	FAB 1	1	WHSE	I103	SE	10
☐							
☐							

Common Name or Trade Name: **SAND FILTERS**

Hazardous Ingredient: **CRYSTALLINE SILICA**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	20	20	365	R 1 4	9.0		14808607

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SAND FILTERS**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	CFB		MULTIMEDIA TNKS	NA	E	20
☐	O	WWTP		FAB 1 SIDE	NA	W	20
☐	O	WWTP		FAB 2 SIDE	NA	E	20
☐							
☐							

Common Name or Trade Name: **SILANE**

Hazardous Ingredient: **SILANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	30	00	365	L 2 4	2.1	2203	
								4.4		CAS No. if known: 7803625

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SILANE BUNKER	NA	S	10
☐	I	FAB 2	1	SILANE BUNKER	NA	N	11
☐							
☐							

Common Name or Trade Name: **SILICON INGOTS**

Hazardous Ingredient: **SILICON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	30	00	365	R 1 4	9.0		
										CAS No. if known: 7440213

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	30
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SKYLIQUID WAX**

Hazardous Ingredient: **TOLUENE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	20	00	365	N 1 4	3.2		CAS No. if known: 108883

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **SLUDGE**

Hazardous Ingredient: ~~**BIOSOLIDS**~~ Silicon CARBIDE

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	~~21~~ 30	00	42	365	A 1 4	9.0		CAS No. if known:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		HYDROCYCLONE	NA	SW	21
☐							
☐							

Common Name or Trade Name: **SODIUM CHLORITE 25%**

Hazardous Ingredient: **SODIUM CHLORITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: 9150-7-33003
2	2	20	20	20	00	365	A 1 4 / C 1 4	5.1 / 6.3		CAS No. if known: 7758192

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	NOX	1	STORAGE TANK	NA	W	20
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM HYDROXIDE 20-50%**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	31	00	365	E 1 4 A 1 4	8.0 6.3	1824	CAS No. if known: 1310732

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB		UPW	A105	W	10
☐	I	FAB 1	1	BULK CHEM DELIV	E141	N	04
☐	I	FAB 1	1	CHEM STRG	K130	SE	10
☐	I	FAB 1	1	RODI	F101	S	10
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	1	BULK CHEM DELIV	C6107	N	04
☐	I	FAB 2	1	PROCESS SUPPORT	6D118	N	04
☐	O	CFB		BULK TANKS	NA	N	21
☐	O	FAB 2		EMERGNCYSCRUBBR	NA	S	11
☐	O	NOX		TANK STRG	NA	W	21
☐							
☐							

Common Name or Trade Name: **SODIUM HYPOCHLORITE SOLN**

Hazardous Ingredient: **SODIUM HYPOCHLORITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	04	00	365	R 1 4	8.0	1791	CAS No. if known: 7681529

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	BOILERS	A102	NE	04
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM HYPOCHLORITE**

Hazardous Ingredient: **SODIUM HYPOCHLORITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No.	CAS No. if known
2	2	04	04	10	00	365	N 1 4	5.1 8.0	1791	875-93	7681529

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	BOILERS	A102	NE	04
☐							
☐							

Common Name or Trade Name: **SODIUM METABISULFITE SOLUTION**

Hazardous Ingredient: **SODIUM METABISULFITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No.	CAS No. if known
2	2	04	10	00	00	365	C 1 4	6.3			7681574

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	10
☐	I	FAB 1	1	RODI	F101	S	04
☐							
☐							

Common Name or Trade Name: **SODIUM SULFIDE 10% SOLUTION**

Hazardous Ingredient: **SODIUM SULFIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No.	CAS No. if known
2	2	20	20	30	00	365	A 1 4 C 1 4	8.0 6.3	1849		1313822

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	NOX	1	TANKS INSIDE	NA	C	20
☐	O	NOX		TANKS OUTSIDE	NA	NW	20
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SPENT ACID**

Hazardous Ingredient: **NITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	00	31	365	C 1 4	8.0	2031	CAS No. if known: 7697372

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2 FRD SUMP		S OF CFB	NA	C	20
☐							
☐							

Common Name or Trade Name: **STEPANOL AM**

Hazardous Ingredient: **AMMONIUM LAURYL SULFATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	11	00	365	E 1 4	6.3 / 4.5		CAS No. if known: 2235543

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	ACID ETCH	A130	W	04
☐	I	FAB 1	1	WHSE	I103	SE	10
☐	I	FAB 2	1	ACID ETCH	6B105	SW	04
☐							
☐							

Common Name or Trade Name: **SULFURIC ACID 25%-70%**

Hazardous Ingredient: **SULFURIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	30	00	365	A 1 4 / N 1 4	8.0 / 6.3	1830	CAS No. if known: 7664939

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULKCHEM		ACID STORAGE	BAY 1	SW	04
☐	I	FAB 1	1	RODI	F101	S	04
☐	O	NOX		TANK STRG	NA	W	11

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SULFURIC ACID 25%-70%**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		FAB 1 SIDE	NA	SW	20
☐	O	WWTP		FAB 2 SIDE	NA	SW	04
☐							
☐							

Common Name or Trade Name: **SURFONIC N-95 CDM**

Hazardous Ingredient: **ALKYLPHENOLETHOXYLATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [2]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	10	00	365	D 1 4	6.3		CAS No. if known: 9016459

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	10
☐	I	FAB 2	1	PROCESS SUPPORT	6D118	C	10
☐							
☐							

Common Name or Trade Name: **TETRAMETHYLAMMONIUM HYDROXIDE**

Hazardous Ingredient: **TETRAMETHYLAMMONIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [2]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	30	00	365	E 1 4	8.0	1835	CAS No. if known: 75592

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	TMAH STRG	BAY 6	SW	10
☐	I	FAB 1	1	CHEM DELVERY	E141	NE	04
☐	I	FAB 1	1	CHEM DELVERY	K130	SE	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C106	NE	04
☐	I	FAB 2	2	DEWAX CHASE	6D249	C	04
☐	I	FAB 2	2	POLISHING	6D232	C	04

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: TETRAMETHYLAMMONIUM HYDROXIDE

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	2	POLISHING	6D236	C	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: TRICHLOROSILANE

Hazardous Ingredient: TRICHLOROSILANE

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[1] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	2	20	20	30	00	365	L 2 4	4.3	1295		10025782

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	TCS BUNKER	NA	C	04
☐	I	FAB 2	1	TCS ROOM	6C101	NW	04
☐	I	FAB1 BULK CHEM	1	FLAMM STRG	BAY 3	E	11
☐							
☐							

Common Name or Trade Name: VANWET 9N9 SOLUTION

Hazardous Ingredient: POLY(OXY-1,2-ETHANEDIYL),ALPHA-(NONYLPHE

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	20	20	00	00	365	C 1 4	6.3			9016459

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHEM DELIVERY	E144	NE	11
☐	I	FAB 2	1	PROCESS SLURRY	6D118	N	11
☐	I	FAB1	1	SOLVENT ROOM	6D125	C	04
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **VANWET 9N9**

Hazardous Ingredient: **POLY(OXY-1,2-ETHANEDIYL),ALPHA-(NONYLPHE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	20	00	365	E 1 4	6.3		CAS No. if known: 9016459

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHEM DELIVERY	E144	NE	11
☐	I	FAB 1	1	SOLVENTS ROOM	D125	S	04
☐	I	FAB 1	1	WHSE	I103	SW	10
☐	I	FAB 2	1	BULK CHEM DELIV	6C106	NE	04
☐	I	FAB 2	1	PROCESSING SUPP	6D118	N	11
☐	I	FAB 2	2	POLISHING	6D232	C	04
☐	I	FAB 2	2	POLISHING	6D236	C	04
☐	I	FAB 2	2	POLISHING	6D249	C	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **VECTOR HTR & HTS**

Hazardous Ingredient: **TRIETHANOLAMINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	21	00	365	C 1 4 / E 1 4	4.5 / 6.4		CAS No. if known: 102716

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	LAPPING	6D104	C	04
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WAFERS**

Hazardous Ingredient: **GALLIUM ARSENIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	00	41	365	R 1 4	6.3 / 6.4		CAS No. if known: 1303000

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	30
☐							
☐							

Common Name or Trade Name: **WASTE CAUSTIC SOLUTION CONC**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	00	00	365	A 1 4	8.0 / 6.3	1824	CAS No. if known: 1310732

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWDG SUMP		CCD TANK	NA	C	30
☐	O	FAB2 FRWDG SUMP		CCD TANK	NA	N	30
☐	O	WWTP		CCD TANK	NA	SW	30
☐							
☐							

Common Name or Trade Name: **WASTE CHROMIC ACID SOLUTION**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	00	21	365	C 1 4	8.0 / 6.1	1790	CAS No. if known: 7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WST CHROMC MODL		SOUTH YARD	NA	C	~~11~~ 10
☐							
☐							

SCOEPA00024175

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE CONC ACID SOLUTION**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	40	40	00	00	365	A 1 4 / B 1 4	8.0 / 6.3	1052	7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWRD SUMP		S YARD	NA	C	30
☐	O	FAB2 FRWRD SUMP		S OF CFB	NA	S	30
☐	O	WWTP		WWTP FAB 2 SIDE	NA	E	30
☐							
☐							

Common Name or Trade Name: **WASTE OIL**

Hazardous Ingredient: **PETROLEUM HYDROCARBONS**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	00	20	365	D 1 4	6.4	1270	64742547

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 CHEM STRG		HAZMAT WASTE	BAY 3	E	04
☐	I	FAB 1	1	MAINT	H120	E	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **WASTE ORGANIC WASTE WATER**

Hazardous Ingredient: **ORGANICS**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	30	30	00	00	365	B 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB 2 FRWDG SUM		NORTH OF CFB	NA	N	21

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE ORGANIC WASTE WATER**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWDG SUMP		SOUTH YARD	NA	C	21
☐	O	WWTP		FAB 2 SIDE	NA	N	21
☐							
☐							

Common Name or Trade Name: **WASTE WAX**

Hazardous Ingredient: **PARRAFIN WAX**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	10	10	00	21	365	D 1 4	3.2		CAS No. if known: 8002742

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 CHEM STRG	1	HAZMAT WASTE	BAY 3	E	10
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **WASTE WEAK ACID SOLUTION**

Hazardous Ingredient: **NITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	40	40	00	00	365	A 1 4 / B 1 4	8.0 / 6.3	1789	CAS No. if known: 7647010

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWDG SUMP		SOUTH YARD	NA	C	21
☐	O	FAB2 FRWDG SUMP		SOUTH OF CFB	NA	N	21
☐	O	WWTP		FAB 2 SIDE	NA	N	21
☐							
☐							

SCOEPA00024177

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE WIRE SAW SLURRY**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	~~10~~ 30	00	~~00~~ 30	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	SUBFAB MFG	6D103	NW	10
☐	O	WWTP		FAB 2 side	NA	N	30
☐							

Common Name or Trade Name: **WIRE SAW SLURRY-NEW**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	00	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MWS SLURRY PREP	L117	N	11
☐	I	FAB 2	1	MWS SLURRY PREP	6D115	NW	11
☐	I	FAB 2	1	SUBFAB MFG	6D103	NW	10
☐							
☐							

Common Name or Trade Name: **WIRE SAW SLURRY-RECYCLED**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	00	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	MSW SLURRY PREP	6D115	NW	11
☐	I	FAB 2	1	SUBFAB MFG	6D103	NW	11
☐							

SCOEPA00024178

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: WIRE SAW SLURRY-RECYCLED

Delete ☐

Common Name or Trade Name: **WIRE SAW SLURRY-USED**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	11	11	00	00	365	D 1 4 R 1 4	9.0		25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	MWS SLURRY PREP	6D115	NW	11
☐							
☐							

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: WASTE SOLVENT

Hazardous Ingredient: Mineral Spirits

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	04	04	365	[D][T][4]	4,5	1993	64742887

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	1	FAB 1 bulk chemical ~~HAZWASTE STORAGE~~	1	HAZWASTE BAY	MA	NW	04
☐							
☐							

Common Name or Trade Name:

Hazardous Ingredient:

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
							[ ][ ][ ]			

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐							
☐							
☐							

Common Name or Trade Name:

Hazardous Ingredient:

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
							[ ][ ][ ]			

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐							
☐							
☐							

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 058.JWC

2005-December-12

November 2005 Industrial Discharge Report

Dear Mr. Dean,

Enclosed is the Quarterly November 2005 Industrial Discharge Report for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR monthly report
Special Account Meter Report Document

cc: Tom Rothschild
POTW-IDR File

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

November-05

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	908,086	100s of GALLONS)
CURRENT READING	109367	1,090,103	100s of GALLONS)
CONSUMPTION	0	182,017	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,820,170	(10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,820,170	* 10 GAL / 7.48 GAL/CF =	2,433,382	CF
TOTAL THROUGH OVERFL(	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,433,382	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,550,775	(10s of GALLONS)
CURRENT READING	1,603,292	(10s of GALLONS)
CONSUMPTION	52,517	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	52,517	* 10 GAL / 7.48 GAL/CF=	70,210	CF

This meter reading was reported by: C. Justin Darr on 12/3/05
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
Portland, Oregon 97203-5452

SCOEPA00024182

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Wacker Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15TH December 2005

SAMPLING PERIOD: November 2005

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By:
Comments:	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No Excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: 12/12/05

Document1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	11	1	TO	2005	11	30

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Process Waste Water Flow	SAMPLE MEASUREMENT	3,489	3,767	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	20.2	25.6	Kg/day	--	5.6	7.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	8.9	10.8	Kg/day	--	2.5	3.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	Kg/day	--	<0.001	<0.001	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	26.3	31.1	Kg/day	--	7.3	8.6	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.2	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may amount [illegible] a maximum [illegible] and/or imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
J Claxton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 12 | DAY 12

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chrome batches are no longer being treated on site. pH Excursion: 5 mins. 49 sec., pH: 5.9.

ER 059

SCOEPA00024184

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 001

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-04

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2005	11	1	TO	2005	11	30

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	MAXIMUM (54-61)	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					1.8	3.3	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. [Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years.]

Siltronic Corp. by:
J Claxton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
503	243-2020	05	12	12

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024185

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: [redacted]onic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
101128	Outfall 002

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	11	1	TO	2005	11	30

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-04

NOTE: Read instructions before completing this form.

PARAMETER		(1 Card Only) QUANTITY OR LOADING			(1 Card Only) QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MV-3 Flow	SAMPLE MEASUREMENT	189	742	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.4	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
J Clayton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	05	12	12
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024186

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 003

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2005	11	1	TO	2005	11	30

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,678	4,342	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	73.6	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	5.96	7.46	8.25			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. [illegible]

Siltronic Corp. by

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	05	12	12
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024187

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 Nov 2005

SAMPLING PERIOD: October 2005

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By:
Comments:	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit	
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.	

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No Excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: 11/10/05

Document1

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

ER: 054.JWC

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

2005-November-11

October 2005 Industrial Discharge Report

Dear Mr. Dean,
Enclosed is the October 2005 Industrial Discharge Report for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

You requested information at your last inspection regarding our waste shipments. Hopefully, the following table will answer your questions:

Waste name	Designated Facility	First Transporter
Batteries Universal Waste, hazardous flammable waste and empty aerosol cans	Romic Environmental Tech 2081 Bay Road East Palo Alto, CA 94303 CAD009452657	Romic Environmental Tech same
Solvent from part washers, Used Oil and oil filters	Thermal Fuilds 914 S. Molalla Ave. Oregon City, OR 97045 ORQ000001974	Thermal Fuilds same
Filter cake press, sludge from storm water catch basins and north sump.	Metro Rooter & Plumbing P.O Box 33585 Portland, OR 97292	Hillsboro landfill, Inc. 3205 SE Minter Bridge Road Hillsboro, OR 97123
Fluorescent Tubes	ECOLIGHT Northwest P.O Box 94291 Seattle, WA 94291	ECOLIGHT Northwest same
Waste chromic acid	Burlington Environmental, Inc 20245 77th Avenue South Kent, WA 98032 WAD991281767	Burlington Environmental, Inc WAR000001743

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
IWD form for October 2005
Special Account Meter Report Document
cc: Tom Rothschild
POTW-IDR File

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

October-05

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	717,415	100s of GALLONS)
CURRENT READING	109367	908,086	100s of GALLONS)
CONSUMPTION	0	190,671	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,906,710		10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,906,710	* 10 GAL / 7.48 GAL/CF =	2,549,078	CF
TOTAL THROUGH OVERFL(	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,549,078	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,489,654	(10s of GALLONS)
CURRENT READING	1,550,775	(10s of GALLONS)
CONSUMPTION	61,121	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	61,121	* 10 GAL / 7.48 GAL/CF=	81,713	CF

This meter reading was reported by: C. Justin Darr on 11/1/05
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
Portland, Oregon 97203-5452

SCOEPA00024190

Form II

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY

Inter-Laboratory Split Comparison

DEQ Case Number:

Source Name: Sitronic Corporation
Contact Person: Thomas J. Rothschild
Address: 7200 NW Front Ave Portland, Oregon 97210
Collected By: Dianne Irish

Sample Date: 5 October 2005
Phone: 503-219-7374

Region/Division: Facilities Operations

Analysis ♠	FIELD MEASUREMENTS♣			SOURCE SAMPLE RESULTS					DEQ LAB RESULTS				
	Sample A	Sample B	Sample C	Sample A	Sample B	Sample C	Sample D	Date/Time Analysis set up	Sample A	Sample B	Sample C	Sample D	Date/Time Analysis set up
BOD (1)	—	—	—	3 mg/L				6 Oct 2005					
Cr^{Total} (1)	—	—	—	<0.001 mg/L				25 Oct 2005					
TSS	—	—	—	1.7 mg/L				5 Oct 2005					
F^-	—	—	—	8.2 mg/L				5 Oct 2005					
$PO_4^{\equiv}$ Total	—	—	—	0.07 mg/L				5 Oct 2005					

Sample	Sample point description ♠ (ie. Effluent comp.).	Container number	
		SOURCE	DEQ ♠
A	Combined Effluent	WWTP	
B			
C			
D			

Fill in your split sample results and mail to:

DEQ Lab
1712 SW 11th Ave.
Portland, OR 97201
Attn: QA Chemist

Shaded area for DEQ use.
♣DEQ sampler enter your field measurements, if taken; indicate whether they are estimates.
♠DEQ sampler is responsible for completing this column.

(1) Coffey Laboratories, Incorporated.

ER 053

SCOEPA00024191

COFFEY LABORATORIES, INC.

CHAIN OF CUSTODY RECORD

Page_____of_____

CENTRAL OREGON BRANCH
1810 SE 1st Street, Suite L
Redmond, OR 97756
Phone: (541)548-0972 Fax: (541)548-6345

CORPORATE HEADQUARTERS
12423 NE Whitaker Way
Portland, OR 97230
Phone: (503)254-1794 Fax: (503)254-1452

EASTERN OREGON BRANCH
419 SW 5th Street
Pendleton, OR 97801
Phone: (541) 276-0385 Fax: (541) 276-2041

Company: Si Tronic
Contact: Tom Rothschild
Address: 7200 N.W. Front Ave
Portland, OR
Phone: (503) 219-7374 Fax: (503) 219-4144
Billing (if different):

Purchase Order Number: 4500075102
Project Number: 94~96
Project Name: Monthly/Split

- ☐ Report Instructions:
- ☐ State Compliance Format
- ☐ Fax Preliminary Results
- ☒ Fax Final Results
- ☐ Verbal Results

Other:

Analysis Requested

Sample ID	Date/Time Collected		BOD	Cr (T)	8260	8270	1-2 Diphenyl hydrazine	TPA	8240			Matrix	Comments	ID	Loc.	#
05-94-CE-C	10-05-05	0955	X	X					+			WW				
05-95-CE-G	10-05-05	0955			X	X	X		+			WW				
05-96-DWS	10-05-05	0800						X				WW				

Collected By: DA

- ☒ Standard
- ☐ Priority (1.5 Times Standard)
- ☐ Rush (2 Times Standard)
- ☐ Emergency (3 Times Standard)

Ask About Availability

Relinquished By:	Date	Time	Received By:	Date	Time
Diane Irish	10-05-05	1445	[illegible]	10-5-05	1445

Laboratory Use Only:

Custabbr:
Job Number:

- ☐ Proper Container
- ☐ Sample Condition
- ☐ Temperature 4± 2°C
- ☐ Shipped Via:
- ☐ Cash/Check/CC/Net 30/ _____

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO CLI WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM.

SCOEPA00024192

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 050.JWC

2005-October-11

September 2005 Industrial Discharge Report

Dear Mr. Dean,

Enclosed is the Quarterly September 2005 Industrial Discharge Report for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J. Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR for Quarterly Results September 2005
Siltronic Bench Sheet for TSS
Analytical Result from Coffey Labs
Chain of Custody Record
Special Account Meter Report Document

cc: Tom Rothschild
POTW-IDR File

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 9-8-05 Oven Temp: 104 C Analyst: DT

Date In: 9-8-05 Time In/Out: 1030 / 1400

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0914	0.0914	
	CE FAB-1				
	CE FAB-1				
				Average CE FAB-1 TSS	
2	CE FAB-2	500	0.0927	0.0920	1.4
3	CE FAB-2	500	0.0945	0.0937	1.6
				Average CE FAB-2 TSS	1.5
4	OWW	100	0.1160	0.0916	244
5	OWW	100	0.1151	0.0920	231
				Average OWW TSS	237.5
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 06 Mar 2004 Revised

SCOEPA00024194

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: Oct 15, 2005

SAMPLING PERIOD: September

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By:
Comments:	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No Excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: Oct 11 2005

Document1

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: October 15

SAMPLING PERIOD: Quarterly

For Industrial Source Control Division Use Only

Date Postmarked/Received | Date Entered

Entered By:

Comments:

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
September 2, 2005	#1B (Fab 2)	GRAB

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
pH	SM-4508H	SU	0.1	5.0 - 11.5	N/A	No Excursions
TTOs (Volatiles)	EPA 8260	<0.01 mg/L	0.005	1.37 mg/L	N/A	SEE CERTIFICATION STATEMENT BELOW

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	COMPOSITE

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
Arsenic (Total)	EPA 200.8	0.003 mg/L	0.0025	0.2 mg/L	0.83 mg/L	
Total Suspended Solids	EPA 160.8	238 mg/L	0.1	N/A	N/A	

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to the control authority.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: Oct 11, 2005

ORELAP 100028

Report Date: October 11, 2005
Job Number: A50908DG
PO Number: 4500075102
Project No: 84-87
Project Name: Monthly/Quarterly Compliance
Amended Report

Tom Rothschild
Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676

Analytical Narrative

The sample was received on 09/08/05 by Coffey Laboratories, Inc. (CLI) Sample Reception personnel under strict chain of custody protocol. The following information was provided at the time of sample reception:

Laboratory Sample ID	Field Identification	Matrix	Collection Date	Collection Time
A50908DG-1	05-84-CE-C	Waste Water	09/08/05	0615
A50908DG-2	05-85-CE-g	Waste Water	09/08/05	0615
A50908DG-3	05-86-OWW-C	Waste Water	09/08/05	0620
A50908DG-4	05-87-OWW-g	Waste Water	09/08/05	0620

The recommended holding time for each batch of analyses was in accordance with the data quality objectives as specified in the CLI Quality Assurance Plan unless otherwise noted.

NOTE: Report was amended to add 1,2-Diphenylhydrazine.

Acceptable precision and accuracy were achieved for all analyses associated with this work order as demonstrated by the recoveries of the quality control samples analyzed concurrently with each batch.

The data submitted in this report is for the sole and exclusive use of the above-named client. All samples associated with the work order will be retained a maximum of 15 days from the report date or until the maximum holding time expires. All results pertain only to samples submitted.

Thank you for allowing Coffey Laboratories to be of service to you. If you have questions or need further assistance please do not hesitate to call our Customer Services Department.

Sincerely,

Technical Services

TS /atc

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50908DG
Page Number: 8 of 14

Lab Sample ID: A50908DG-3
Field ID: 05-86-OWW-C
Date/Time: 09/08/05 0620
Matrix: Waste Water

EPA Category: Inorganic Chemicals

Parameter	Method	Detection Limit	Analytical Result	Units
Arsenic	EPA 200.8	0.0025	0.003	mg/L

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50908DG
Page Number: 9 of 14

Lab Sample ID: A50908DG-4
Field ID: 05-87-OWW-g
Date/Time: 09/08/05 0620
Matrix: Waste Water

EPA Category: Volatile Organic Chemicals
Analysis Performed: EPA 8260B; Volatile Organic Compounds by GC/MS
Analysis Date: 09/13/05
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acetone	0.015	ND	0.57
Benzene	0.001	ND	ND
Bromobenzene	0.001	ND	ND
Bromochloromethane	0.001	ND	ND
Bromodichloromethane	0.001	ND	ND
Bromoform	0.001	ND	ND
Bromomethane	0.002	ND	ND
2-Butanone (MEK)	0.005	ND	ND
n-Butylbenzene	0.001	ND	ND
sec-Butylbenzene	0.001	ND	ND
tert-Butylbenzene	0.001	ND	ND
Carbon Disulfide	0.002	ND	ND
Carbon tetrachloride	0.001	ND	ND
Chlorobenzene	0.001	ND	ND
Chloroethane	0.002	ND	ND
Chloroform	0.001	ND	0.004
Chloromethane	0.002	ND	ND
2-Chlorotoluene	0.001	ND	ND
4-Chlorotoluene	0.001	ND	ND
1,2-Dibromo-3-chloropropane	0.001	ND	ND
Dibromochloromethane	0.001	ND	ND
1,2-Dibromoethane	0.001	ND	ND
Dibromomethane	0.001	ND	ND
1,2-Dichlorobenzene	0.001	ND	ND
1,3-Dichlorobenzene	0.001	ND	ND
1,4-Dichlorobenzene	0.001	ND	ND
Dichlorodifluoromethane	0.002	ND	ND
1,1-Dichloroethane	0.001	ND	ND
1,2-Dichloroethane	0.001	ND	ND
1,1-Dichloroethene	0.001	ND	ND

Results expressed as mg/l unless otherwise noted.
ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00024199

ORELAP L00028

Analytical Data

Siltronic Corporation

Job Number: A50908DG
Page Number: 10 of 14

Lab Sample ID: A50908DG-4
Field ID: 05-87-OWW-g
Date/Time: 09/08/05 0620
Matrix: Waste Water

EPA Category: Volatile Organic Chemicals
Analysis Performed: EPA 8260B; Volatile Organic Compounds by GC/MS
Analysis Date: 09/13/05
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
cis-1,2-Dichloroethene	0.001	ND	ND
trans-1,2-Dichloroethene	0.001	ND	ND
1,2-Dichloropropane	0.001	ND	ND
1,3-Dichloropropane	0.001	ND	ND
2,2-Dichloropropane	0.001	ND	ND
1,1-Dichloropropene	0.001	ND	ND
cis-1,3-Dichloropropene	0.001	ND	ND
trans-1,3-Dichloropropene	0.001	ND	ND
Ethylbenzene	0.001	ND	ND
Hexachlorobutadiene	0.001	ND	ND
2-Hexanone	0.005	ND	ND
Iodomethane	0.002	ND	ND
Isopropylbenzene	0.001	ND	ND
4-Isopropyltoluene	0.001	ND	ND
4-Methyl-2-pentanone	0.005	ND	ND
Methylene chloride	0.005	ND	ND
Naphthalene	0.002	ND	ND
n-Propylbenzene	0.001	ND	ND
Styrene	0.001	ND	ND
1,1,1,2-Tetrachloroethane	0.001	ND	ND
1,1,2,2-Tetrachloroethane	0.001	ND	ND
Tetrachloroethene	0.001	ND	ND
Toluene	0.001	ND	ND
1,2,3-Trichlorobenzene	0.002	ND	ND
1,2,4-Trichlorobenzene	0.001	ND	ND
1,1,1-Trichloroethane	0.001	ND	ND
1,1,2-Trichloroethane	0.001	ND	ND
Trichloroethene	0.001	ND	ND
Trichlorofluoromethane	0.002	ND	ND
1,2,3-Trichloropropane	0.001	ND	ND

Results expressed as mg/l unless otherwise noted.
ND means none detected at or above the detection limit listed.

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50908DG
Page Number: 11 of 14

Lab Sample ID: A50908DG-4
Field ID: 05-87-OWW-g
Date/Time: 09/08/05 0620
Matrix: Waste Water

EPA Category: Volatile Organic Chemicals
Analysis Performed: EPA 8260B; Volatile Organic Compounds by GC/MS
Analysis Date: 09/13/05
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
1,2,4-Trimethylbenzene	0.001	ND	ND
1,3,5-Trimethylbenzene	0.001	ND	ND
Vinyl acetate	0.001	ND	ND
Vinyl chloride	0.002	ND	ND
m,p-Xylene	0.002	ND	ND
o-Xylene	0.001	ND	ND
4-Bromofluorobenzene (Surr.)	—	—	88.%
Dibromofluoromethane (Surr.)	—	—	111.%
Toluene-d8 (Surr.)	—	—	101.%
Pentafluorobenzene (Surr.)	—	—	97.%

Results expressed as mg/l unless otherwise noted.
ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50908DG
Page Number: 12 of 14

Lab Sample ID: A50908DG-4
Field ID: 05-87-OWW-g
Date/Time: 09/08/05 0620
Matrix: Waste Water

EPA Category: Extractable Organics
Analysis Performed: *CLISolventScan; Solvent Scan.
Analysis Date: 10/03/05
Analyst: JB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Isopropyl Alcohol	1.	ND	2.

Results expressed as mg/l unless otherwise noted.
ND means none detected at or above the detection limit listed.
*The analysis is not covered under ORELAP scope of accreditation.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50908DG
Page Number: 13 of 14

Lab Sample ID: A50908DG-4
Field ID: 05-87-OWW-g
Date/Time: 09/08/05 0620
Matrix: Waste Water

EPA Category: Extractable Organics
Analysis Performed: EPA 8270C; Semivolatile Organics by GC/MS
Analysis Date: 09/23/05
Analyst: JB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acenaphthene	0.0039	ND	ND
Acenaphthylene	0.0039	ND	ND
Anthracene	0.0039	ND	ND
Benzo(a)anthracene	0.0039	ND	ND
Benzo(a)pyrene	0.0039	ND	ND
Benzo(b)fluoranthene	0.0039	ND	ND
Benzo(g,h,i)perylene	0.0039	ND	ND
Benzo(k)fluoranthene	0.0039	ND	ND
bis(2-Chloroethoxy)methane	0.0039	ND	ND
bis(2-Chloroethyl)ether	0.0039	ND	ND
bis(2-Chloroisopropyl)ether	0.0039	ND	ND
Bis(2-ethylhexyl)phthalate	0.0039	ND	ND
4-Bromophenyl phenyl ether	0.0039	ND	ND
Butyl benzyl phthalate	0.0039	ND	ND
4-Chloro-3-methylphenol	0.0039	ND	ND
2-Chloronaphthalene	0.0039	ND	ND
2-Chlorophenol	0.0039	ND	ND
4-Chlorophenyl phenyl ether	0.0039	ND	ND
Chrysene	0.0039	ND	ND
Di-n-butylphthalate	0.0039	ND	ND
Di-n-octylphthalate	0.0039	ND	ND
Dibenzo(a,h)anthracene	0.0039	ND	ND
1,2-Dichlorobenzene	0.0039	ND	ND
1,4-Dichlorobenzene	0.0039	ND	ND
1,3-Dichlorobenzene	0.0039	ND	ND
2,4-Dichlorophenol	0.0039	ND	ND
Diethyl phthalate	0.0039	ND	ND
2,4-Dimethylphenol	0.0039	ND	ND
Dimethylphthalate	0.0039	ND	ND
2,4-Dinitrophenol	0.0078	ND	ND

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00024203

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50908DG
Page Number: 14 of 14

Lab Sample ID: A50908DG-4
Field ID: 05-87-OWW-g
Date/Time: 09/08/05 0620
Matrix: Waste Water

EPA Category: Extractable Organics
Analysis Performed: EPA 8270C; Semivolatile Organics by GC/MS
Analysis Date: 09/23/05
Analyst: JB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
2,4-Dinitrotoluene	0.0039	ND	ND
2,6-Dinitrotoluene	0.0039	ND	ND
Fluoranthene	0.0039	ND	ND
Fluorene	0.0039	ND	ND
Hexachlorobenzene	0.0039	ND	ND
Hexachlorobutadiene	0.0039	ND	ND
Hexachloroethane	0.0039	ND	ND
Indeno(1,2,3-cd)pyrene	0.0039	ND	ND
Isophorone	0.0039	ND	ND
2-Methyl-4,6-dinitrophenol	0.0078	ND	ND
N-Nitrosodi-n-propylamine	0.0039	ND	ND
Naphthalene	0.0039	ND	ND
Nitrobenzene	0.0039	ND	ND
4-Nitrophenol	0.016	ND	ND
2-Nitrophenol	0.0039	ND	ND
Pentachlorophenol	0.0039	ND	ND
Phenanthrene	0.0039	ND	ND
Phenol	0.0039	ND	ND
Pyrene	0.0039	ND	ND
1,2,4-Trichlorobenzene	0.0039	ND	ND
2,4,6-Trichlorophenol	0.0039	ND	ND
1,2-Diphenylhydrazine	0.0039	ND	ND
2-Fluorobiphenyl (Surr.)	—	—	56.%
2-Fluorophenol (Surr.)	—	—	25.%
Nitrobenzene-d5 (Surr.)	—	—	48.%
Phenol-d6 (Surr.)	—	—	21.%
Terphenyl-d14 (Surr.)	—	—	62.%
2,4,6-Tribromophenol (Surr.)	—	—	38.%

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

COFFEY LABORATORIES, INC.

CHAIN OF CUSTODY RECORD

Page_____of_____

CENTRAL OREGON BRANCH
1810 SE 1st Street, Suite L
Redmond, OR 97756
Phone: (541)548-0972 Fax: (541)548-6345

CORPORATE HEADQUARTERS
12423 NE Whitaker Way
Portland, OR 97230
Phone: (503)254-1794 Fax: (503)254-1452

EASTERN OREGON BRANCH
419 SW 5th Street
Pendleton, OR 97801
Phone: (541) 276-0385 Fax: (541) 276-2041

Company: Siltronic Corp.
Contact: Tom Rothschild
Address: 7200 NW Front Ave
Portland, OR
Phone: (503) 219-7374 Fax: (503) 219-4144
Billing (if different):

Purchase Order Number: 4500075102
Project Number: 84~87
Project Name: Monthly / Quarterly

- ☐ Report Instructions:
- ☐ State Compliance Format
- ☐ Fax Preliminary Results
- ☒ Fax Final Results
- ☐ Verbal Results

Other:

Sample ID	Date/Time Collected		BOD	Cr(T)	8260	8270	1-2 Diphenyl-hydrazine	TPH	As (T)				Matrix	Comments	ID	Loc.	#
05-84-CE-C	9/8/05	0615	X	X													
05-85-CE-G	9/8/05	0615			X	X	X										
05-86-OWW-C	9/8/05	0620							X								
05-87-OWW-G	9/8/05	0620			X	X	X	X									

Collected By: DI

Relinquished By:	Date	Time	Received By:	Date	Time
Dianne Brisk	9/8/05	1105	[illegible]	9-8-05	1105

- ☒ Standard
- ☐ Priority (1.5 Times Standard)
- ☐ Rush (2 Times Standard)
- ☐ Emergency (3 Times Standard)

Ask About Availability

Laboratory Use Only:
Custabbr:
Job Number:
- ☐ Proper Container
- ☐ Sample Condition
- ☐ Temperature 4± 2°C
- ☐ Shipped Via:
- ☐ Cash/Check/CC/Net 30/ _____

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO CLI WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM.

SCOEPA00024205

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
503-219-7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

September-05

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	519,113	(100s of GALLONS)
CURRENT READING	109367	717,415	(100s of GALLONS)
CONSUMPTION	0	198,302	(100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,983,020	(10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,983,020	* 10 GAL / 7.48 GAL/CF =	2,651,096 CF
TOTAL THROUGH OVERFL(	0	* 10 GAL / 7.48 GAL/CF =	0 CF
TOTAL CONSUMPTION			2,651,096 CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,436,951	(10s of GALLONS)
CURRENT READING	1,489,654	(10s of GALLONS)
CONSUMPTION	52,703	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	52,703	* 10 GAL / 7.48 GAL/CF=	70,459 CF

This meter reading was reported by: Dianne Irish for Justin Darr on 10-7-05.
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024206

PERMITTEE NAME/ADDRESS (Include Facility Name/Location/Reference)

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	9	1	TO	2005	9	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,513	3,846	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	12.9	17.4	Kg/day	--	3.6	5.0	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	5.2	6.3	Kg/day	--	1.5	1.7	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	0.005	0.015	Kg/day	--	0.001	0.004	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	26.1	28.6	Kg/day	--	7.3	8.0	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.4	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:

J. Claxton

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	05	10	7
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chrome batches are no longer being treated on site.

ER 049

SCOEPA00024207

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	9	1	TO	2005	9	30

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER		(1 Card Only) QUANTITY OR LOADING			(1 Card Only) QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					2.1	14.0	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 24 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 05 MO 10 DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024208

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	9	1	TO	2005	9	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	126	288	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.4	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and up to maximum imprisonment of between 6 months and 5 years).

Siltronic Corp. by:
J Clayton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 10 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024209

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-18)
101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	9	1	TO	2005	9	30
	(19-20)	(21-22)	(23-24)		(25-26)	(27-28)	(29-30)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(1 Card Only) (65-53) QUANTITY OR LOADING (34-41) AVERAGE	MAXIMUM	UNITS	(1 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,639	4,013	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	75.8	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.30	7.33	7.89			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and up to additional imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 10 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024210

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

ER: 046.JWC

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

2005-September-12

August 2005 Industrial Discharge Report

Dear Mr. Dean,

Enclosed is the August 2005 Industrial Discharge Report for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR for August 2005
Special Account Meter Report Document

cc: Tom Rothschild
POTW-IDR File

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

August-05

1. OWW DISCHARGE

ACTUAL READINGS

	Fab. 1	FAB 2	
PAST READING	109367	310,535	100s of GALLONS)
CURRENT READING	109367	519,113	100s of GALLONS)
CONSUMPTION	0	208,578	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	2,085,780	10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	2,085,780	* 10 GAL / 7.48 GAL/CF =	2,788,476	CF
TOTAL THROUGH OVERFL	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,788,476	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,372,515	(10s of GALLONS)
CURRENT READING	1,436,951	(10s of GALLONS)
CONSUMPTION	64,436	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	64,436	* 10 GAL / 7.48 GAL/CF=	86,144	CF

This meter reading was reported by: Justin Darr on 9-9-05.
C. Justin Darr JEJ date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024212

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: September 15th

SAMPLING PERIOD: August

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit		
#1B (Fab 2)	Foxboro	861	5.0 - 11.5 S.U.		
DATE	**STARTING TIME (military time)**	**MOST EXTREME pH EXCURSION**	**DURATION (minutes)**	**VIOLATION? (circle one)**	**COMMENTS**
No pH Excursions				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: 9/12/05

Document1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

PERMIT NUMBER	DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	8	1	TO	2005	8	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (38-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,564	3,854	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	14.5	18.5	Kg/day	--	4.0	5.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	8.0	11.8	Kg/day	--	2.2	3.3	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	0.004	Kg/day	--	<0.001	0.001	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	24.9	28.1	Kg/day	--	6.9	7.6	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319. *Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years.

Siltronic Corp. by:
J Claxton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 05 MO 9 DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ER: 045

Chrome batches are no longer being treated on site. pH Excursion: Total of 12 mins.10 seconds @ pH: 5.7.

SCOEPA00024214

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16): 101128 — PERMIT NUMBER
(17-18): Outfall 001 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2003	8	1	TO	2003	8	31
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					3.2	8.1	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 per violation, imprisonment of between 6 months and 5 years).

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 9 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024215

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 002

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2005	8	1	TO	2005	8	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	MAXIMUM (54-61)	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	121	216	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.2	mg/l		1/7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to $10,000 per violation, imprisonment of between 6 months and 5 years).

Siltronic Corp. by:
J Clayton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 9 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024216

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-18) DISCHARGE NUMBER
101128	Outfall 003

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
2005	8	1	2005	8	31

(19-21) (22-23) (24-25) (26-27) (28-29) (30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,685	4,009	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	76.7	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	5.72	7.30	8.76			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020
DATE: YEAR 05 MO 9 DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA Form 3320-1 (Rev. 8-88) Previous editions may be used. (REPLACES EPA FORM T[illegible] WHICH MAY NOT BE USED.)

SCOEPA00024217

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

ER044:JC

Dr. Elliot Zais
Water Quality Source Control
Department of Environmental Quality Northwest Region
2020 SW Fourth Avenue, Suite 400
Portland, Oregon 97201-4987

2005-September-12

August 2005 Bioassay results

Dear Dr. Zais,

The Bioassay of Siltronic's effluent **passes the requirements** of our NPDES permit number 101128.

The Bioassay was performed on three species: *Ceriodaphnia dubia* (water flea), *Pimephales promelas* (fathead minnow) and *Raphidocelis subcapitata* (green algae). The analyses were performed at the following dilutions, which are based on the average of three mixing zone dilution studies[1], as percentage effluent: 1.90%, 3.75%, 7.5%, 15% and 30%. Samples were taken August 9 though 16, 2005. The analytical methods used were "*Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, Weber, C. et al. (1994); EPA/600/4-91/002"* and *"Whole Effluent Toxicity Testing Guidance Document, Oregon Department of Environmental Quality, January 1993".*

Ceriodaphnia dubia

Acute Toxicity test results indicated no statistically significant reduction in survival at any of the effluent concentrations tested when compared to the control. The no observed effect concentration (NOEC) and lowest observed effect concentration (LOEC) were 30% and greater than 30% effluent, respectively. Control survival was 95%. The LC_{50} value (concentration of sample causing a 50% reduction in survival) was calculated to be greater than 30% effluent. The effluent dilution concentration at the edge of Siltronic's zone of immediate dilution (ZID) is $\geq$ 13.4% effluent[1].

Chronic Toxicity test results show a statistically significant reduction in reproduction at 15% and 30% effluent concentrations when compared to the control. The NOEC and LOEC were 7.5% and 15% effluent, respectively. Control survival was 100%. The IC_{25} value (concentration of sample causing a 25% reduction in biological measurement) calculated on reproduction was 8.6% effluent concentration. The effluent dilution concentration at the edge of Siltronic's mixing zone is $\geq$ 1.8% effluent[1].

Pimephales promelas (dual endpoint)

Acute Toxicity test results indicated no statistically significant reduction in survival or growth at any of the effluent concentrations tested when compared to the control. The NOEC and LOEC were 30% and greater than 30% effluent, respectively. Control survival was 100%. The LC_{50} value was calculated to be greater than 30% effluent. The effluent dilution concentration at the edge of Siltronic's ZID is $\geq$ 13.4% effluent[1].

Chronic Toxicity test results indicated no statistically significant reduction in survival or growth at any of the effluent concentrations tested when compared to the control. The NOEC and LOEC were 30% and greater than 30% effluent, respectively. Control survival was 100%. The IC_{25} value was calculated to be greater than 30% effluent. The effluent dilution concentration at the edge of Siltronic's mixing zone is $\geq$ 1.8% effluent[1].

Raphidocelis subcapitata

Chronic Toxicity test results indicated a statistically significant reduction in growth at the 7.5, 15.0 and 30.0 percent effluent concentrations when compared to the control. The NOEC and LOEC were 3.75 and 7.5 percent effluent, respectively. The IC_{25} value was calculated to be greater than 30% effluent. The effluent dilution concentration at the edge of Siltronic's mixing zone is ≥ 1.8% effluent[1].

Summary of CH2MHill results for August 2005

Acute (48-hour) Results:	Ceriodaphnia dubia	Pimephales promelas	
NOEC	30%	30% (% Effluent)	
ZID Pass Criteria[1]	≥13.4%	≥13.4%	
Chronic Results:	**Ceriodaphnia dubia**	**Pimephales promelas**	**Raphidocelis subcapitata**
NOEC	7.5%	30%	3.75% (% Effluent)
Mixing Zone Pass Criteria[1]	≥ 1.8%	≥ 1.8%	≥ 1.8%

If you have any questions, please contact me.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

cc: Tom Rothschild
Tom McCue
NPDES Bioassay File

[1] CH2MHILL Mixing Zone Effluent Dilution Evaluations prepared for Siltronic Corporation in 1994, 1995 and 1996. The NPDES discharge permit defines, for Siltronic's effluent discharge to the Willamette River, a zone of initial dilution (ZID) having a 5-foot radius from the point of discharge at Outfall 003, and a mixing zone having a 50-foot radius from the point of discharge at Outfall 003. The average of the three mixing zone dilution studies identified worst-case (0.1-feet/ second as current velocity) dilutions at distances of 5 and 50 feet from the discharge point of 7.5:1 and 55.5:1 ($Q_{Total}/Q_{Effluent}$), respectively. These dilutions are equivalent to 13.4% effluent at the edge of the ZID and 1.8% effluent at the edge of the mixing zone. According to the discharge permit, the effluent is considered to be acutely toxic if an acute test No-Observable-Effects-Concentration (NOEC) is less than 13.4% effluent, and is considered to be chronically toxic if a chronic test NOEC is less than 1.8% effluent. **Conversely, the effluent is in compliance for toxicity if the acute test NOEC is greater than or equal to (≥) 13.4% effluent and the chronic test NOEC is greater than or equal to (≥) 1.8% effluent.**

EK:041

STAPLE HERE

NPDES PERMITTEE DATA REPORT FORM Form Approved. OMB No. 2080-0021 Approval Expires 5/31/2005

EPA

United States Environmental Protection Agency
Laboratory DMR-QA Evaluation Study 25
Laboratory Performance Evaluation
(These data are collected under the authority of the Federal Water Pollution Control Act.)

EPA USE ONLY	
N	1
1	2

NPDES Permit Number										Permit Extension	
O	R	O	O	3	O	5	8	9			
3	4	5	6	7	8	9	10	11		12	13

Current Permittee Mailing Address

NPDES Permit Number: OR0030589 Phone: 503-219-7313

SILTRONIC CORPORATION
7200 NW FRONT AVE.
PORTLAND, OR 97210-3676

ATTENTION:
Follow the checklist on next page for instructions on completing this form and submitting data for evaluation.

Enter Permittee Name as it Should Appear in Report Heading:

S	I	L	T	R	O	N	I	C		C	O	R	P	O	R	A	T	I	O	N																
14	15	16	17	18	19	20	21	22	25	25	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49

For DMR-QA Study 24, conducted in 2004, the permittee:

Received Samples:	YES	NO	Submitted Data:	YES	NO	Received a Report in Response:	YES	NO
	X			X			X	
	50	51		52	53		54	55

Certification by Permit Holder or Authorized Representative
(as per 40 CFR Part 122.22 - see instructions.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the USEPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Title of Certifying Official (Type or Print)	Signature	Date Signed
JIM CLAXTON ENV. ENG.	J Claxton	8/24/05

Address of Certifying Official (if different from Permittee address above.)	Telephone Number

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024220

United States Environmental Protection Agency
DMR-QA Study 25
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: OR0030589

Identification of All CHEM & TOX Laboratories who did Analyses for this Permit
Permit Number:

N 2
1 2

Name	Address	Lab Code assigned by USEPA	Lab Analysis- Put an 'X' in all that apply: Chem	Tox	Lab Type - choose one: F = Federal, S = State, G = Local Gov., C = Commercial, I = Industrial, O = Other
SILTRONIC CORPORATION	7200 NW FRONT AVE. PORTLAND, OR 97210-3676	OR0100 6 (3 4 5 6 7 8 9)	X (10)	(11)	I (12)
COFFEY LABS	12423 NE WHITAKER WAY PORTLAND, OR 97230	OR0001 1 (13 14 15 16 17 18 19)	X (20)	(22)	C (22)
CH2M HILL ANALYTICAL SVCS	2300 NW WALNUT BLVD CORVALLIS, OR 97330-3538	OR0004 (25 25 25 26 27 28 29)	(30)	X (31)	C (32)
end		(33 34 35 36 37 38 39)	(40)	(41)	(42)

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete. Continued on the next page

SCOEPA00024221

Discharge Monitoring Report - Quality Assurance Proficiency Testing Study

STUDY #: *DMRQA25*

STUDY TYPE: *DMRQACHEM*

Duration: *06/02/2005 - 09/02/2005*

SPEX CertiPrep®

NVLAP Provider ID: 200392-0

Permittee Checklist:

- ☑ **Complete Boxes 2 and 3 below**
- ☑ **Enter your NPDES Permit # on all Data Reporting Sheets (for multiple permits, make photocopies of packet and complete one packet for each permit)**
- ☑ **Mail or fax entire packet to SPEX CertiPrep to the address or fax # on the right**
- ☐ **If faxed, total # pages: _____**

MAIL OR FAX COMPLETED REPORT TO:
SPEX Certiprep, Inc.
PT Coordinator
CRM Division
203 Norcross Ave.
Metuchen, NJ 08840
FAX: 732-494-1747

IMPORTANT: SPEX CERTIPREP MUST RECEIVE YOUR COMPLETED REPORTS BY MIDNIGHT EST ON 09/02/2005

1 REPORT APPROVED BY:
(Laboratory Official)

OR01006 (Required - Enter corrections below)
EPA LAB ID: O R 0 1 0 0 6

Name: Thomas J. Rothschild
Title: Facilities Chemist
Company Siltronic Corporation
Address: 7200 NW Front Avenue
Portland, Oregon 97210-3676

Phone #: 503-219-7374
Fax #: 503-219-4144
Signature: Thomas J Rothschild
Date: 19 Aug 2005

2 REPORT APPROVED BY:
(Permittee Official)

(Unless otherwise specified, the Performance Report will be sent to the person indicated below)

OR0030589 (Required - Enter corrections below)
NPDES Permit #: O R 0 0 3 0 5 8 9
Extension (if applicable)

Name: Thomas McCue
Title: Environmental Manager
Company Siltronic Corporation
Address: 7200 N.W. Front Avenue
Portland, Oregon 97210-3676

Phone #: 503-219-7532
Fax #: 503-219-7599
Signature: Thomas C McCue
Date: 8/23/05

3

PLEASE FILL IN THE FOLLOWING INFORMATION REGARDING YOUR STATE / REGIONAL DMRQA COORDINATOR:

Contact Name: Chris Redman
Agency: Oregon DEQ
Address: 1712 SW. 11th Avenue
Portland, Oregon 97204

Phone #: 503-229-6896 Ext. 254
Fax #: _____

PLEASE TREAT EACH PT STUDY SAMPLE THE SAME WAY YOU WOULD TREAT A ROUTINE SAMPLE.

DO NOT REVEAL RESULTS OR ANY OTHER ASPECT OF THIS TEST TO ANY PERSON OR OTHER LABORATORY UNTIL THE TEST ROUND IS CONCLUDED.

SPEX CertiPrep and Protocol Analytical Supplies confirm that this PT Program complies with NIST Handbook 150: NVLAP Procedures and General Requirements and with NIST Handbook 150-19: Chemical Calibration – Providers of Proficiency Testing.
PT materials and PT studies have been developed using the criteria in National Standards for Water Proficiency Testing Studies Criteria Document, USEPA dated December 1998.

No claims against SPEX CERTIPREP, Inc. of any kind whatsoever, whether based on breach of warranty, alleged negligence, or otherwise, with respect to this product shall be greater in amount than the purchase price of the product in respect of which damages are claimed, and in no event shall SPEX CERTIPREP, Inc. be liable for any loss of profits or any incidental, special or consequential damages.

SO#: 132127-2 *CID:* 110180*1

SCOEPA00024222

Discharge Monitoring Report - Quality Assurance Proficiency Testing Study

Data Reporting Sheet

STUDY #: ***DMRQA25***

STUDY TYPE: ***DMRQACHEM***

Starting Date: 06/02/2005 ***Closing Date:*** 09/02/2005

DMRQA NUTRIENTS (Ampule 1 of 2)

Catalog Number: PT-NUT-DMRQA(1)

SPEX CertiPrep®

NVLAP Provider ID: 200392-0

Siltronic Corp.

7200 NW Front Ave.

Portland, OR 97210

Sales Order: 132127-2

Customer #: 110180*1

OR01006 (Required - Enter corrections below)

EPA Lab Id #: 0 R 0 1 0 0 6

OR0030589 (Required - Enter corrections below)

Permittee #: 0 R 0 0 3 0 5 8 9

Extension (if applicable)

Lot #: 30-29NUT1-PT

Analyte	*Analyte Code*	*VAF'*	*Method Code (See enclosed list)*	*Method Description*	</>	*Concentration*	*Units*	*Date of Analysis (mm/dd/yy)*
Ammonia as N	*0031*		N/A				*MILLIGRAMS/L*	/ /
Nitrate as N	*0032*						*MILLIGRAMS/L*	/ /
Orthophosphate as P	*0033*						*MILLIGRAMS/L*	/ /

Please report the results on the diluted sample to three significant figures in mg/L.

' : VAF (Voluntary Analyte Flag) – Mark the VAF box if this analyte is voluntary for your facility.

Authorized Signature: Thomas J. Rothschild ***Date:*** 19 Aug 2005

IMPORTANT: SPEX CERTIPREP MUST RECEIVE YOUR COMPLETED REPORTS BY MIDNIGHT EST ON 09/02/2005

SCOEPA00024223

Discharge Monitoring Report - Quality Assurance Proficiency Testing Study

Data Reporting Sheet

STUDY #: *DMRQA25*

STUDY TYPE: *DMRQACHEM*

Starting Date: 06/02/2005 ***Closing Date:*** 09/02/2005

DMRQA NUTRIENTS (Ampule 2 of 2)

Catalog Number: PT-NUT-DMRQA(2)

SPEX CertiPrep®

NVLAP Provider ID: 200392-0

Siltronic Corp.

7200 NW Front Ave.

Portland, OR 97210

Sales Order: 132127-2

Customer #: 110180*1

OR01006 (Required - Enter corrections below)

EPA Lab Id #: 0 R 0 1 0 0 6

OR0030589 (Required - Enter corrections below)

Permittee #: 0 R 0 0 3 0 5 8 9

Extension (if applicable)

Lot #: 30-30NUT2-PT

Analyte	*Analyte Code*	*VAF'*	*Method Code (See enclosed list)*	*Method Description*	</>	*Concentration*	*Units*	*Date of Analysis (mm/dd/yy)*
Total Kjeldahl Nitrogen(TKN)	*0034*						*MILLIGRAMS/L*	/ /
Total Phosphorous	*0035*		2 0 0 2 5 8 0 3	S M 4 5 0 0 - P E 2 0 E D		3.41 J	*MILLIGRAMS/L*	0 8 / 1 9 / 0 5

Please report the results on the diluted sample to three significant figures in mg/L.

' : VAF (Voluntary Analyte Flag) – Mark the VAF box if this analyte is voluntary for your facility.

Authorized Signature: Thomas J. Rothschild ***Date:*** 19 Aug 2004

IMPORTANT: SPEX CERTIPREP MUST RECEIVE YOUR COMPLETED REPORTS BY MIDNIGHT EST ON 09/02/2005

Discharge Monitoring Report - Quality Assurance Proficiency Testing Study

Data Reporting Sheet

STUDY #: *DMRQA25*

STUDY TYPE: *DMRQACHEM*

Starting Date: 06/02/2005 ***Closing Date:*** 09/02/2005

DMRQA pH

Catalog Number: PT-PH-DMRQA

SPEX CertiPrep®

NVLAP Provider ID: 200392-0

Siltronic Corp.

7200 NW Front Ave.

Portland, OR 97210

Sales Order: 132127-2

Customer #: 110180*1

OR01006 (Required - Enter corrections below)

EPA Lab Id #: O R O O 6

OR0030589 (Required - Enter corrections below)

Permittee #: O R O O 3 O 5 8 9

Extension (if applicable)

Lot #: 30-146PH-PT

Analyte	*Analyte Code*	*VAF'*	*Method Code (See enclosed list)*	*Method Description*	</>	*Concentration*	*Units*	*Date of Analysis (mm/dd/yy)*
pH	0019		200224 06	SM4500 HB 20ED		8.70 J	UNITS	07/11/05

Please report the result to three significant figures in standard units.

' : VAF (Voluntary Analyte Flag) – Mark the VAF box if this analyte is voluntary for your facility.

Authorized Signature: Thomas J. Rothschild ***Date:*** 9 Aug 2005

IMPORTANT: SPEX CERTIPREP MUST RECEIVE YOUR COMPLETED REPORTS BY MIDNIGHT EST ON 09/02/2005

Discharge Monitoring Report - Quality Assurance Proficiency Testing Study

Data Reporting Sheet

STUDY #: ***DMRQA25***

STUDY TYPE: ***DMRQACHEM***

Starting Date: 06/02/2005 ***Closing Date:*** 09/02/2005

DMRQA NON-FILTERABLE RESIDUE

Catalog Number: PT-SOL-DMRQA

SPEX CertiPrep®

NVLAP Provider ID: 200392-0

Siltronic Corp.

7200 NW Front Ave.

Portland, OR 97210

Sales Order: 132127-2

Customer #: 110180*1

OR01006 (Required - Enter corrections below)

EPA Lab Id #: O R O 1 O O 6

OR0030589 (Required - Enter corrections below)

Permittee #: O R O O 3 O 5 8 9

Extension (if applicable)

Lot #: 30-84SOL-PT

Analyte	*Analyte Code*	*VAF'*	*Method Code (See enclosed list)*	*Method Description*	</>	*Concentration*	*Units*	*Date of Analysis (mm/dd/yy)*
Non-Filterable Residue(TSS)	0072		2 0 0 0 4 8 0 2	S M 2 5 4 0 D 2 0 E D		2 8.7 /	MILLIGRAMS/L	0 8 / 1 9 / 0 5

Please report the result on the sample to three significant figures in mg/L based on 0.5 grams of sample weight.

' : VAF (Voluntary Analyte Flag) -- Mark the VAF box if this analyte is voluntary for your facility.

Authorized Signature: Thomas J. R[illegible] ***Date:*** 19 Aug 2005

IMPORTANT: SPEX CERTIPREP MUST RECEIVE YOUR COMPLETED REPORTS BY MIDNIGHT EST ON 09/02/2005

SCOEPA00024226

NSI WATER POLLUTION LABORATORY PERFORMANCE EVALUATION STUDY WP-104/DMRQA-25B

ER : 040

NVLAP LAB CODE# 200440-0

(1) NSI LAB CODE: N04395

(2) EVALUATE AS: ☐ WP-104 ☐ DMRQA-25B ☒ WP-104 & DMRQA-25B

Coffey Laboratories, Inc
COMPANY NAME

ATTENTION (503) 254-1794 PHONE NUMBER

12423 NE Whitaker Way
MAILING ADDRESS FOR REPORT

Portland CITY OR STATE 97230 ZIP CODE

(3) REPORT EVALUATION RESULTS FOR WP-104 TO:

☐ Report Only To Your Laboratory ☐ Report To Accreditation Agency & Your Laboratory

State Lab Code: OR100028 (If Available)

US EPA Labcode: ORO0011 (Required If Sending to the State)

State Accreditation Agency Address:

Agency _____

Attention _____

Address _____

City/State/Zipcode _____

For additional agencies see last page of this packet

(4) REPORT MY EVALUATION FOR DMRQA-25:

NPDES Permit Number OR0030589 (Required for DMRQA-25)

DMRQA-25 results will be submitted to the appropriate state coordinator and USEPA by the EPA deadline.

SEND COMPLETED FORMS TO:

NSI SOLUTIONS, INC.
7517 PRECISION DRIVE, SUITE 101
RALEIGH, NC 27617
ATTENTION: TESTING COORDINATOR

OR

ENTER YOUR RESULTS ON-LINE AT WWW.NSI-ES.COM - GO TO PT DATALINK TO GET STARTED.

As a participant in this NSI Water Pollution Study, I affirm that we have abided by the following conditions of this study. 1) We have not sent test samples to any other laboratory for analysis. 2) We have not knowingly received test samples from another laboratory for analysis. 3) We have not attempted to obtain or provide other laboratories with any information about the target values or acceptance ranges of the test samples from NSI.

APPROVED BY: Rachida Kaady. SIGNATURE 08/15/05 DATE _____ E-MAIL

(503) 254-1794 TELEPHONE RACHIDA KAADY (PRINT NAME HERE) QA Director TITLE

Report Forms Must Be Postmarked By August 22, 2005.
No Faxes Can Be Accepted Due To The High Volume of This Study.

STUDY TYPE: WPCHEM/DMRQA CHEM
STUDY NUMBER: WP-104/DMRQA-25B

NSI LABCODE: NC04395

PEI-034-1 TRACE METALS LOT# 093

* NELAC Method Code and NELAC Technology Code Are Not Required For DMRQA-25 Reporting Purposes

Voluntary Analytes[1]		Method Description	NELAC Method Code	NELAC Technology Code	Result	Units	Analysis Date Month/Day	USEPA Labcode[2]
☐	Aluminum	EPA 200.7	10013602	102015	3742	ug/L	0727	~~ORO~~
☐	Antimony	204.2	10017604	101020		ug/L		ORO
☐	Arsenic	206.2	10018403	101020		ug/L		=
☐	Barium	200.7	10013602	102015	334	ug/L	0727	=
☐	Beryllium	=	=	=	368	ug/L		=
☐	Cadmium	213.2	10023800	101020		ug/L		=
☐	Chromium	218.2	10025207	101020	257	ug/L	0815	=
☐	Cobalt	200.7	10013602	102015	231	ug/L	0727	=
☐	Copper	=	=	=	384	ug/L	0727	=
☐	Iron	236.2	10032801	101020		ug/L		=
	Iron	200.7	10013602	102015	2641		0727	=

[1] Voluntary analytes are analytes that you are reporting that are not listed on your permit or that are not included on the base DMRQA-25 analyte list. If you are reporting a value for a voluntary, please check the box for that analyte on this form.

[2] Indicate the seven-digit USEPA Labcode for the lab that performed the analysis for each analyte.

Aug 15 2005 13:47 HP LASERJET FAX P.5

STUDY TYPE: WPCHEM/DMRQA CHEM
STUDY NUMBER: WP-104/DMRQA-25B

NSI LABCODE: A104395

PEI-026 DEMAND LOT# 093

* NELAC Method Code and NELAC Technology Code Are Not Required For DMRQA-25 Reporting Purposes

Voluntary Analytes[1]		Method Description	NELAC Method Code	NELAC Technology Code	Result	Units	Analysis Date Month/Day	USEPA Labcode[2]
☐	BOD	EPA 405.1	100756Q2	N/A	93.8	mg/L	07 29	QRQQQ11
☐	CBOD	SM 5210B	20027401	N/A	76.8	mg/L	=	=
☐	COD	EPA 410.4	10077404	40101Q	73.8	mg/L	08 01	=
☐	TOC	EPA 415.1	10078407	40201Q	81.1	mg/L	08 12	=

[1] Voluntary analytes are analytes that you are reporting that are not listed on your permit or that are not included on the base DMRQA-25 analyte list. If you are reporting a value for a voluntary, please check the box for that analyte on this form.

[2] Indicate the seven-digit USEPA Labcode for the lab that performed the analysis for each analyte.

Aug 15 2005 13:47 HP LASERJET FAX p.4

STAPLE HERE

NPDES PERMITTEE DATA REPORT FORM Form Approved. OMB No. 2080-0021 Approval Expires 5/31/2005

EPA

United States Environmental Protection Agency
Laboratory DMR-QA Evaluation Study 25
Laboratory Performance Evaluation
(These data are collected under the authority of the Federal Water Pollution Control Act.)

EPA USE ONLY

N	1
1	2

NPDES Permit Number

O	R	0	0	3	0	5	8	9		
3	4	5	6	7	8	9	10	11	12	13

Permit Extension

Current Permittee Mailing Address

NPDES Permit Number: OR 0030589 Phone: 503-219-7313

SILTRONIC CORPORATION
7200 NW FRONT AVE.
PORTLAND, OR 97210-3676

ATTENTION:
Follow the checklist on next page for instructions on completing this form and submitting data for evaluation.

Enter Permittee Name as it Should Appear in Report Heading:

S	I	L	T	R	O	N	I	C		C	O	R	P	O	R	A	T	I	O	N																		
14	15	16	17	18	19	20	21	22	25	25	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49			

For DMR-QA Study 24, conducted in 2004, the permittee:

Received Samples:	YES	NO
	X	
	50	51

Submitted Data:	YES	NO
	X	
	52	53

Received a Report in Response:	YES	NO
	X	
	54	55

Certification by Permit Holder or Authorized Representative
(as per 40 CFR Part 122.22 - see instructions.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the USEPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Title of Certifying Official (Type or Print)	Signature	Date Signed
JIM CLAXTON ENV. ENG.	J Claxton	8/24/05

Address of Certifying Official (if different from Permittee address above.)	Telephone Number

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024230

United States Environmental Protection Agency
DMR-QA Study 25
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number
OR0030589

Identification of All CHEM & TOX Laboratories who did Analyses for this Permit
Permit Number:

N 2
1 2

Name	Address	Lab Code assigned by USEPA	Lab Analysis- Put an 'X' in all that apply: Chem	Tox	Lab Type - choose one: F=Federal S=State G=Local Gov. C=Commercial I=Industrial O=Other
SILTRONIC CORPORATION	7200 NW FRONT AVE. PORTLAND, OR 97210-3676	OR0100 6 (3 4 5 6 7 8 9)	X (10)	(11)	I (12)
COFFEY LABS	12423 NE WHITAKER WAY PORTLAND, OR 97230	OR000 11 (13 14 15 16 17 18 19)	X (20)	(22)	C (22)
CH2M HILL ANALYTICAL SVCS	2300 NW WALNUT BLVD CORVALLIS, OR 97330-3538	OR0004 (25 25 25 26 27 28 29)	(30)	X (31)	C (32)
end		(33 34 35 36 37 38 39)	(40)	(41)	(42)

SCOEPA00024231

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 037.JWC

2005-August-11

July 2005 Industrial Discharge Report

Dear Mr. Dean,

Enclosed is the July 2005 Industrial Discharge Report for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR for July 2005
Special Account Meter Report Document

cc: Tom Rothschild
POTW-IDR File

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

July-05

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	310,535	(100s of GALLONS)
CURRENT READING	109367	127,954	(100s of GALLONS)
CONSUMPTION	0	182,581	(100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,825,810		(100s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,825,810	* 10 GAL / 7.48 GAL/CF =	2,440,922 CF
TOTAL THROUGH OVER	0	* 10 GAL / 7.48 GAL/CF =	0 CF
TOTAL CONSUMPTION			2,440,922 CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,308,672	(10s of GALLONS)
CURRENT READING	1,372,515	(10s of GALLONS)
CONSUMPTION	63,843	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	63,843	* 10 GAL / 7.48 GAL/CF=	85,352 CF

This meter reading was reported by: C. Justin Darr on 8/1/05
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15TH of the August.

SAMPLING PERIOD: July 2005

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By:
Comments:	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit		
#1B (Fab 2)	Foxboro	961	5.0 - 11.5 S.U.		
DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)	COMMENTS
No Excursions				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: 8/11/05

Document1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Silt[redacted] Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	7	1	TO	2005	7	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Process Waste Water Flow	SAMPLE MEASUREMENT	3,402	3,687	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--			totalizing recorder	
BOD	SAMPLE MEASUREMENT	14.5	16.4	Kg/day	--	4.3	5.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	4.8	6.2	Kg/day	--	1.4	1.7	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	0.004	0.007	Kg/day	--	0.001	0.002	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	23.1	27.4	Kg/day	--	6.7	7.6	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 8 | DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ER036

Chrome batches are no longer being treated on site. No pH excursions.

SCOEPA00024235

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2005	7	1	TO	2005	7	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					2.8	8.0	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to $10,000 and maximum imprisonment of between 6 months and 5 years).

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
503	243-2020	05	8	11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024236

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: 101128

(17-19) DISCHARGE NUMBER: Outfall 002

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	7	1	TO	2005	7	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	150	371	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.3	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Siltronic Corp. by:

J Claxton

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 8 | DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024237

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	7	1	TO	2005	7	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	QUALITY OR CONCENTRATION (46-53) AVERAGE	QUALITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,552	3,808	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	79.2	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.31	7.29	8.55			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and up to maximum imprisonment of between 6 months and 3 years)

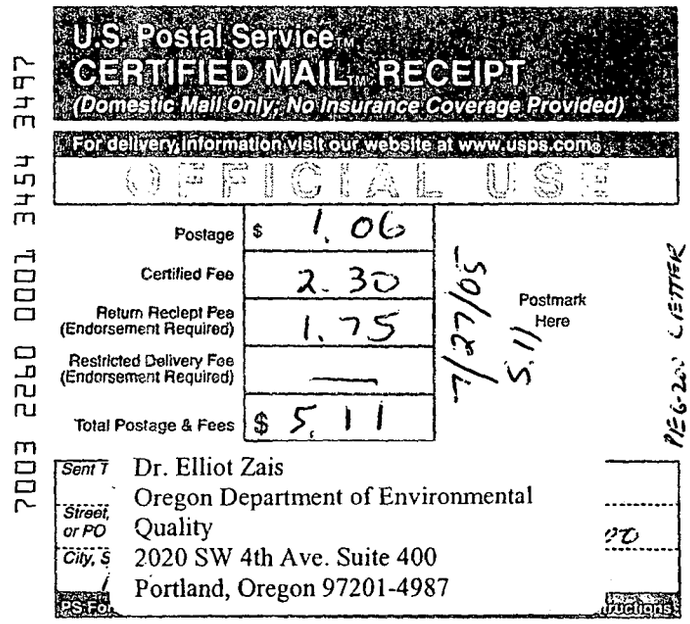
Siltronic Corp. by:
J Clayton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 8 | DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024238



SCOEPA00024239

Certified Mail Provides:

- A mailing receipt
- A unique identifier for your mailpiece
- A record of delivery kept by the Postal Service for two years

PS Form 3800, June 2002 *(Reverse)*

Important Reminders:

- Certified Mail may ONLY be combined with First-Class Mail® or Priority Mail®.
- Certified Mail is *not* available for any class of international mail.
- NO INSURANCE COVERAGE IS PROVIDED with Certified Mail. For valuables, please consider Insured or Registered Mail.
- For an additional fee, a *Return Receipt* may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the fee. Endorse mailpiece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS® postmark on your Certified Mail receipt is required.
- For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the mailpiece with the endorsement *"Restricted Delivery"*.
- If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.

IMPORTANT: Save this receipt and present it when making an inquiry. Internet access to delivery information is not available on mail addressed to APOs and FPOs.

SCOEPA00024240

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Dr. Elliot Zais
Oregon Department of Environmental Quality
2020 SW 4th Ave. Suite 400
Portland, Oregon 97201-4987

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Susan Curry ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* SUSAN Curry
C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 7003 2260 0001 3454 3497

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SCOEPA00024241

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

Jim Claxton
Siltronic Corporation
7200 NW Front Ave.
Portland, OR 97210-3676

0024

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

Elliot Zais, PhD, PE
Sr. Environmental Engineer
Water Quality Source Control DEQ
2020 SW 4th Ave., Suite 400
Portland, Oregon 97201-4987

ER: 035JWC

2005-July-27

Requested Change in Wire Saw Slurry Chemistry

Dear Dr. Zais,

Siltronic Corporation is considering a change in the chemistry of our wire saw slurry. The reason for the change is the discovery of a recovery process that will enable Siltronic to recover used wire saw slurry components for reuse. Since a small amount of the glycol component of the slurry is released as part of Siltronic's NPDES permit, we are sending the results of our review of the effect the new glycol will have on Siltronic's outfall for you to review and approve.

The recovery process will result in many environmental benefits.

- Reduced waste solids to landfill by 670,000 lbs.: These solid wastes will be recovered for reuse in our process.
- Reduced organic waste to City of Portland POTW by 799,000 lbs: Waste glycol will be reduced by an estimated 90% and will be recovered for reuse.
- Reduced usage of treatment chemicals at Siltronic Waste Water Treatment Plant: Reduction in usage of antifoam, coagulants and filtering aids and the waste generated by these materials.

After a number of years, Siltronic has found a company that can recover wire saw slurry, separating and recovering the silicon carbide and the glycol. Their process is set up for PEG 200 as the glycol source. Currently, used wire saw slurry is recycled on-site on a continuous basis by centrifugal decantor. When spent, the slurry is decanted, the liquid portion sent to the City of Portland for treatment and the solids are being sent to Hillsboro Landfill, Inc. until another recycler can be found. The new recovery process will allow Siltronic to reuse a large portion of the used slurry, greatly reducing the amount of waste being generated.

DEQ did approve Siltronic to use the current glycol in 1996 and although the glycol used in wire saw slurry is not restricted for discharge, DEQ requested we limit the amount of glycol that could be discharged. Most of the glycol (99.2%) from the wire saw operation is collected as part of Siltronic's Organic Waste Water and sent to the City of Portland's POTW. Rinse water containing a small amount of glycol (3 mg/L) is released annually as part of our NPDES discharge. The releases occur during the normal wire saw maintenance operations. After all glycol slurry has been drained from the tool the inside walls of the wire saw housing are rinsed with water as a cleaning step. The proposed glycol change will replace the current glycol with PEG 200.

How will this change affect the NPDES discharge? We expect no increase in BOD_5.

The current Siltronic permit requires BOD_5 testing of a weekly 24 hour composition of the NPDES discharge. The permit limits for BOD_5 are 15 mg/L monthly average and 30 mg/L for a daily max. Data for BOD_5 for the last three years is listed in the following table:

NPDES Discharge BOD_5 mg/L

Year	Min	Max	Average
2002	2	10	5.3
2003	2	11	4.2
2004	1.2	8	4.6
2005 (thru June)	1.5	6	3.8

To measure the affect PEG 200 could have on the current discharge, four samples of the current NPDES discharge were collected. Three were spiked with PEG 200 and all four were measure for BOD_5. A response factor was calculated based on the BOD_5 analysis.

The estimated amount of glycol discharged is about 1L of glycol rinsed into drain system every 560 hours for each wire saw. Using this information calculations were made to estimate the amount of glycol released and, from the response factor, the calculated BOD_5.

To estimate the amount of glycol released and the BOD_5 in 24 hours, the following assumptions were made:

- Every 560 hours from 1 to 4 Liters of glycol is rinsed into drain system. Four liters was selected as an upper limit for the amount of glycol rinsed to drain. 1L to 4 L represents about 430 lbs to 1700 lbs of total glycol released per year.
- Rinsing step is about 60 minutes per saw.
- There are eleven wire saws_
- The discharge at the NPDES sample point for 2004 was 322 Million gallons per year or 0.88 Million gallons per day.
- Specific gravity of PEG 200 1.127
- Response factor of the spiked samples is BOD_5 mg/L = 0.0382 x mg/L PEG 200 + 3.45

If each saw releases 1 L of PEG 200 after 560 hours of operation, then eleven saws could release 11 L of PEG 200 or 27.3 lbs every 23 days or a little more than one pound per day at an average concentration of 0.16 mg/L. This concentration has no effect on the CE BOD (see chart).

If each saw releases 4 L after 560 hours of operation, 44 L or 109.3 lbs of PEG 200 could be released from 11 saws every 23 days or about 4.6 pounds per day at an average concentration of 0.64 mg/L. This concentration has no effect on the CE BOD (see chart).

To test the estimates, a sample of the material adhering to the inside walls of a wire saw was collected. A total of about 6.2 lbs of material were collected. This represented about 80% of total material based on operator estimates. Since the material is composed of silicon carbide, glycol, silicon, silicon dioxide and a small amount of water, the amount of glycol was estimated by igniting a mixed portion of the material at 550°C. The glycol was found to be 22.7% by weight by this method. The current glycol has a specific gravity of about 1.022. Since 6.2 lbs represents about 80% of the material to be rinsed, about 8 lbs of wire saw slurry is adhering to the inside walls of the wire saws. This material is 22.7% glycol by analysis or 1.8 lbs as glycol. 1.8 lbs of glycol divided by 8.345 lbs/gal and the specific gravity of 1.022 gives about 0.21

gallons of glycol or about 0.8L as glycol. This value agrees with the estimate of about 1L made by the operators.

Attached is a chart showing the results of PEG 200 on CE BOD_5. Test results show no change in the predicted BOD_5.

Siltronic believes that the change from the current glycol to PEG 200 will have no effect on the NPDES discharge but will have a very positive effect on the total waste generated on site. The recovery process will reduce the amount of glycol sent to the City of Portland, decrease to amount of waste currently going to land fill, and reduce the usage and release of treatment chemicals currently being used.

We respectfully request DEQ approval to replace/add PEG 200 to NPDES discharge.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

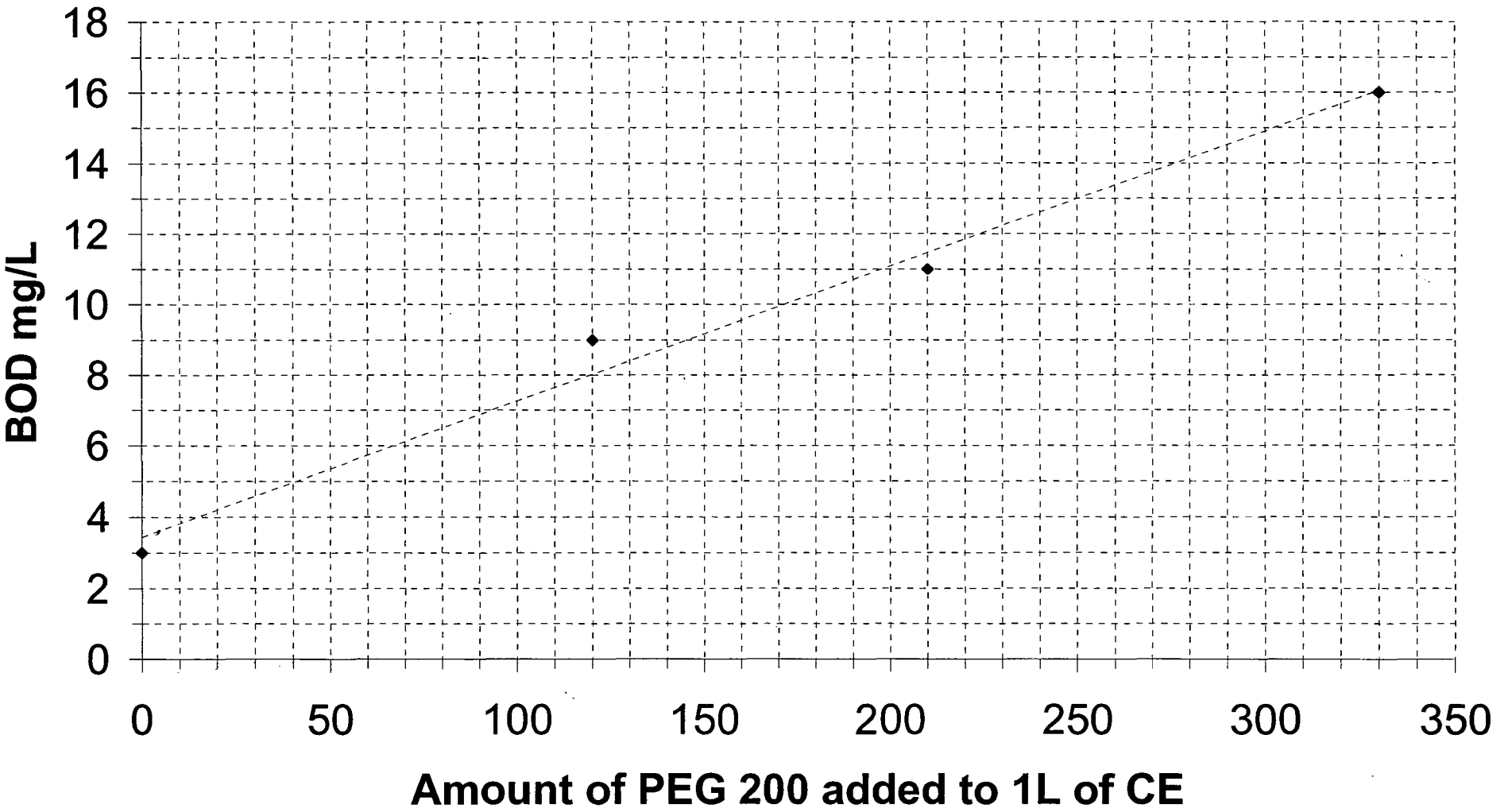
Jim Claxton
Environmental Engineer

Enclosure:
Chart of the Effect of PEG 200 on CE BOD_5
Coffey Labs BOD_5 test results
PEG 200 MSDS
Specialty Analytical glycol test results
cc:

Effect of PEG 200 on CE BOD

BOD mg/L = 0.0382 x mg/l PEG 200 + 3.4462

R^2 = 0.9843



Claxton, Jim

From: Irish, Dianne
Sent: Wednesday, June 15, 2005 2:16 PM
To: Claxton, Jim
Subject: Coffey Laboratories A50602CY.htm

Report Date: 06/15/2005
Job Number: A50602CY
PWSID:
PO Number: 4500075102
Project No.: 40 - 43
Project Name: Weekly + PEG 220

Tom Rothschild
Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210

mg of PEG 200 added to 1L of CE

Sample Information

Laboratory Sample ID	Field Identification	Matrix	Collection Date	Collection Time	
A50602CY-1	05-40-CE-C	Waste Water	06/02/2005	0740	0 mg/L
A50602CY-2	05-41-CE-P-120	Waste Water	06/02/2005	0740	120 mg/L
A50602CY-3	05-42-CE-P-210	Waste Water	06/02/2005	0740	210 mg/L
A50602CY-4	05-43-CE-P-330	Waste Water	06/02/2005	0740	330 mg/L

Analytical results are on the following page(s).

Sincerely,

Technical Services

The data submitted in this report is for the sole and exclusive use of the above-named client. All samples associated with the work order will be retained a maximum of 15 days from the report date or until the maximum holding time expires. All results pertain only to samples submitted.

Thank you for allowing Coffey Laboratories to be of service to you. If you have questions or need further assistance, please do not hesitate to call our Customer Services Department.

7/26/2005

TS/atc

Sample Identification

Lab Sample ID#: A50602CY-1 05-40-CE-C

Inorganic Chemicals

Contaminant	Analysis	Method	Detection Limit	Analyst
Biochemical Oxygen Demand	3. mg/L	EPA 405.1	3. mg/L	NNK
Chromium	ND mg/L	EPA 218.2	0.001 mg/L	CV

ND means none detected at or above the detection limit listed.

SCOEPA00024249

Sample Identification

Lab Sample ID#: A50602CY-2 05-41-CE-P-120

Inorganic Chemicals

Contaminant	Analysis	Method	Detection Limit	Analyst
Biochemical Oxygen Demand	9. mg/L	EPA 405.1	4. mg/L	JG

ND means none detected at or above the detection limit listed.

Sample Identification

Lab Sample ID#: A50602CY-3 05-42-CE-P-210

Inorganic Chemicals

Contaminant	Analysis	Method	Detection Limit	Analyst
Biochemical Oxygen Demand	11. mg/L	EPA 405.1	4. mg/L	JG

ND means none detected at or above the detection limit listed.

Sample Identification

Lab Sample ID#: A50602CY-4 05-43-CE-P-330

Inorganic Chemicals

Contaminant	Analysis	Method	Detection Limit	Analyst
Biochemical Oxygen Demand	16. mg/L	EPA 405.1	4. mg/L	JG

ND means none detected at or above the detection limit listed.

Specialty Analytical

19761 S.W. 95th Avenue
Tualatin, OR 97062
(503) 612-9007
Fax (503) 612-8572
1 (877) 612-9007

July 20, 2005

Jim Claxton
Siltronic
7200 NW Front Ave
M/S 30
Portland, OR 97210

TEL: (503) 219-7313
FAX (503) 219-7599

RE: Wire Saw Slurry

Dear Jim Claxton:

Order No.: 0507048

Specialty Analytical received 3 samples on 7/12/2005 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

Ned Engleson
Project Manager

Technical Review

SCOEPA00024253

Specialty Analytical

Date: *20-Jul-05*

CLIENT: Siltronic
Project: Wire Saw Slurry
Lab Order: 0507048

Lab ID: 0507048-01 **Collection Date:** 7/12/2005
Client Sample ID: Sample 1 **Matrix:** SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE SOLIDS IN SOLIDS		**VSS**				Analyst: **are**
Volatile Solids (% of Total Sample)	24	1.0		% wt	1	7/18/2005

Lab ID: 0507048-02 **Collection Date:** 7/12/2005
Client Sample ID: Sample 2 **Matrix:** SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE SOLIDS IN SOLIDS		**VSS**				Analyst: **are**
Volatile Solids (% of Total Sample)	21	1.0		% wt	1	7/18/2005

Lab ID: 0507048-03 **Collection Date:** 7/12/2005
Client Sample ID: Sample 3 **Matrix:** SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE SOLIDS IN SOLIDS		**VSS**				Analyst: **are**
Volatile Solids (% of Total Sample)	23	1.0		% wt	1	7/18/2005

SCOEPA00024254

10454
4144

UNION CARBIDE CHEMICALS AND PL -- CARBOWAX(TM) POLYETHYLENE GLYCOL 200

MSDS Safety Information

FSC: 6810
NIIN: 01-257-1864
MSDS Date: 06/18/1999
MSDS Num: CJSQQ
Product ID: CARBOWAX(TM) POLYETHYLENE GLYCOL 200
MFN: 01
Responsible Party
Cage: 0TAZ2
Name: UNION CARBIDE CHEMICALS AND PLASTICS CO INC
Address: 39 OLD RIDGEBURY RD
City: DANBURY CT 06817-0001
Info Phone Number: 1-800-568-4000
Emergency Phone Number: 1-304-744-3487
Resp. Party Other MSDS No.: 448
Review Ind: Y
Published: Y

Contractor Summary

Cage: 0WA27
Name: EMULTEC INDUSTRIAL PRODUCTS INC
Address: 1150 HAYDEN DR SUITE 100
City: CHARROLLTON TX 75006
Phone: 972-417-1288
Contract Number: SP0450-00-M-D059
Cage: 0TAZ2
Name: UNION CARBIDE CORPORATION
Address: 39 OLD RIDGEBURY RD
City: DANBURY CT 06817-0001
Phone: 1-800-568-4000 / 732-563-5522

Item Description Information

Item Manager: S9G
Item Name: POLYETHYLENE GLYCOL,TECHNICAL
Specification Number: NONE
Type/Grade/Class: NONE

Unit of Issue: CN
Quantitative Expression: 00000000005GL
UI Container Qty: 0
Type of Container: 1A1, 26 GA

==========

Ingredients

==========

Cas: 25322-68-3
RTECS #: TQ3500000
Name: POLYETHYLENE OXIDE
> Wt: 95.

Cas: 111-46-6
RTECS #: ID5950000
Name: DIETHYLENE GLYCOL
< Wt: 5.

Cas: 107-21-1
RTECS #: KW2975000
Name: ETHYLENE GLYCOL
< Wt: 1.
ACGIH TLV: NOT ESTABLISHED
ACGIH STEL: C127 MG/M3;C50 PPM
EPA Rpt Qty: 1 LB
DOT Rpt Qty: 1 LB

==========

Health Hazards Data

==========

LD50 LC50 Mixture: ORAL LD50(RAT): UNKNOWN
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Effects of Exposure: ACUTE: INHALATION-SHORT-TERM HARMFUL EFFECTS ARE NOT EXPECTED FROM VAPOR GENERATED AT AMBIENT TEMPERATURE. EYE CONTACT, SKIN CONTACT, SWALLOWING-NO EVIDENCE OF HARMFUL EFFECTS FROM AVAILABLE INFORMATI ON. CHRONIC: ALTHOUGH THIS MATERIAL IS NOT A SKIN IRRITANT, SUBMERSION BY WORKERS OF UNPROTECTED SKIN IN HIGHLY CONCENTRATED SOLUTIONS OF THIS MATERIAL FRO PROLONGED PERIODS OF TIME COULD RESULT IN SK IN DEHYDRATION.
Signs And Symptions Of Overexposure: OVEREXPOSURE TO VAPOR GENERATED AT HIGH TEMPERATURES MAY RESULT IN EYE AND RESPIRATORY TRACT IRRITATION, DIZZINESS, NAUSEA AND THE INHALATION OF HARMFUL AMOUNTS OF MATERIAL.

SCOEPA00024256

Medical Cond Aggravated By Exposure: A KNOWLEDGE OF THE AVAILABLE TOXICOLOGY INFORMATION AND OF THE PHYSICAL AND CHEMICAL PROPERTIES OF THE MATERIAL SUGGESTS THAT OVEREXPOSURE IS UNLIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS

First Aid: INHALATION-NO EMERGENCY CARE ANTICIPATED. EYE-FLUSH EYES THOROUGHLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF WORN. SKIN CONTACT-WASH SKIN WITH SOAP AND WATER. SWALLOWING-NO EMERGENCY CARE ANTICIPATED. NOTES TO PHYSICIAN- TOXICOLOGY STUDIES HAVE SHOWN THIS TO BE OF VERY LOW ACUTE TOXICITY AND NONIRRITATING. THERE IS NO SPECIFIC ANTIDOTE.TREATMENT OF OVEREXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND CLINICAL CONDITION OF THE PAIENT.

==========

Handling and Disposal

==========

Spill Release Procedures: SMALL SPILLS CAN BE FLUSHED WITH LARGE AMOUNTS OF WATER, LARGER SPILLS SHOULD BE COLLECTED FOR DISPOSAL.

Waste Disposal Methods: INCINERATE IN A FURNACE WHERE PERMITTED UNDER FEDERAL, STATE, AND LOCAL REGULATIONS. DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS. EMPTY CONTAINERS SHO ULD BE RECYCLED OR DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY.

Handling And Storage Precautions: KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. WASH THOROUGLY AFTER HANDLING. ATTENTION! USE PRODUCT PROMPTLY AFTER OPENING. AVOID PROLONGED EXPOSURE TO HEAT AND AIR.

Other Precautions: DISPOSAL CONSIDERATIONS: AT VERY LOW CONCENTRATIONS IN WATER, THIS PRODUCT IS BIODEGRADABLE IN A BIOLOGICAL WASTEWATER TREATMENT PLANT.

==========

Fire and Explosion Hazard Information

==========

Flash Point Method: PMCC

Flash Point: =185.C, 365.F

Lower Limits: N/D

Upper Limits: N/D

Extinguishing Media: EXTINGUISH FIRES WITH WATER SPRAY/APPLY ALCOHOL-TYPE/ALL PURPOSE TYPE FOAM BY MANUFACTURERS RECOMMENDED TECHNIQUES FOR LARGE FIRES. USE CARBON DIOXIDE OR DRY CHEMICAL FOR SMALL FIRE.

Fire Fighting Procedures: DO NOT DIRECT A SOLID STREAM OF WATER OR FOAM INTO HOT BURNING POOLS; THIS MAY CAUSE FROTHING AND INCREASE FIRE INTENSITY. USE SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard: SUDDEN RELEASE OF HOT ORGANIC VAPORS OR MISTS FROM PROCESS EQUIPMENT OPERATING AT ELEVATED TEMPERATURE/PRESSURE, OR SUDDEN

SCOEPA00024257

INGRESS OF AIR INTO HOT EQUIPMENT UNDER A VACUUM, MAY RESULT IN IGNITIONS WIT HOUT THE PRESENCE OF OBVIOUS IGNITION SOURCES.

==========

Control Measures

==========

Respiratory Protection: IF PERSONNEL EXPOSURE EXCEEDS UNION CARBIDE EXPOSURE LIMITS FOR ETHYLENE GLYCOL AT ANY TIME, SELECT RESPIRATORY PROTECTION EQUIPMENT IN ACCORDANCE WITH 29CFR1910.134. NIOSH-APPROVED ATMOSPHERE-SUPPLYING RESPIRATOR OR A NIOSH-APPROVED AIR-PURIFYING RESPIRATOR WITH ORGANIC CARTRIDGE AND DUST/MIST PRE-FILTER IS RECOMMENDED.

Ventilation: GENERAL (MECHANICAL) ROOM VENTILATION IS EXPECTED TO BE SATISFACTORY.

Protective Gloves: POLYVINYL CHLORIDE COATED.

Eye Protection: SAFETY GLASSES OR MONOGOGGLES

Other Protective Equipment: EYE BATH, SAFETY SHOWER

Work Hygienic Practices: WASH WITH SOAP AND WATER IF SKIN COMES IN CONTACT WITH PRODUCT.

==========

Physical/Chemical Properties

==========

HCC: N1

Boiling Point: >200.C, 392.F

B.P. Text: (760 MMHG)

Melt/Freeze Pt: =-65.C, -85.F

Vapor Pres: <0.001KPA <0.01MMHG(AT26C

Vapor Density: 7 (AIR=1)

Spec Gravity: 1.127 20C(H20=1)

VOC Grams/Liter: 91

Solubility in Water: 20C 100%(BY WEIGHT)

Appearance and Odor: TRANSPARENT COLORLESS > FREEZING/MELTING POINT-OPAQUE WHITE AT FREZ ODOR-MILD

Percent Volatiles by Volume: 3.5 WT%

==========

Reactivity Data

==========

Stability Indicator: YES

Stability Condition To Avoid: AVOID HIGH TEMPERATURES

Materials To Avoid: AVOID STRONG BASES AT HIGH TEMPERATURES,STRONG ACIDS, STRONG OXIDIZING AGENTS AND MATERIALS REACTIVE WITH HYDROXYL COMPOUNDS.

Hazardous Decomposition Products: BURNING CAN PRODUCE THE FOLLOWING PRODUCTS: CARBON MONOXIDE &/OR CARBON DIOXIDE. THERMAL DECOMPOSITION MAY PRODUCE

SCOEPA00024258

ALDEHYDES.
Hazardous Polymerization Indicator: NO

==========
Toxicological Information
==========

Toxicological Information: ACUTE TOXICITY: PERORAL: RAT LD50 33.99 (30.70-37.65) ML/KG. MAJOR SIGNS: NARCOSIS, TREMORS. GROSS PATHOLOGY: LUNG, LIVER, KIDNEYS, INTESTINES DISCOLORED. PERCUTANEOUS: RABBIT 24 HR OCCLUDED 20 ML/KG. MORTALITY: 1/6. INHALATION: STATIC GENERATION OF VAPORS AT ROOM TEMPERATURE, EXPOSURE TIME 8 HR RAT. MORTAILTY: 0/6. INHALATION: MIST FROM VAPOR GENERATED AT 170C. EXPOSURE TIME 4 H RAT. MORTALITY: 0 /6. INHALATION:IST FROM VAPOR GENERATED AT 170C. EXPOSURE TIME 5 HR RAT. MORTALITY: 6/6. IRRITATION: SKIN: RABBIT 24 HR UNCOVERED, NO IRRITATION. EYE: RABBIT 0.5 ML NO CORNEAL INJURY.

==========
Ecological Information
==========

Ecological: ENVIRONMENTAL FATE: BOD (% OXYGEN CONSUMPTION): DAY 5, 4%, DAY 10, 15%, DAY 20, 47%. ECOTOXICITY: ECOTOXICITY TO MICRO-ORGANISMS: IC50> 5000 MG/L. ECOTOXICITY TO AQUATIC INVERTEBRATES: DAPHNIA LC50 48 H>10000 MG/L. ECOTOXICITY TO FISH: FATHEAD MINNOW LC50 96 H>10000 MG/L. THOD (MEASURED) 1.70 MG/MG. THOD (CALCULATED) 1.67 MG/MG.

==========
MSDS Transport Information
==========

Transport Information: U.S. D.O.T. NON-BULK, PROPER SHIPPING NAME: NOT REGULATED. BULK, PROPER SHIPPING NAME: NOT REGULATED.

==========
Regulatory Information
==========

Sara Title III Information: SECTIONS 302 AND 304: NONE. SECTION 313: ETHYLENE GLYCOL, CAS# 107-21-1, <1.0000%. SECTIONS 311 AND 312: NO.
Federal Regulatory Information: CERCLA: ETHYLENE GLYCOL, 107-21-1, <1%, ACETALDEHYDE, 75-07-0, <0.0006%, ETHYLENE OXIDE, 75-21-8, <0.0005%, 1,4-DIOXANE, 123-91-1, <0.0005%, FORMALDEHYDE, 50-00-0, <0.0004%. NATIONAL POLLUTANTS RELEAS E INVENTORY: ETHYLENE GLYCOL, CAS# 107-21-1, <1.0000%. TSCA: ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY OR ARE FROM TSCA INVENTORY REQUIREMENTS.
State Regulatory Information: MASSACHUSETTES SUBSTANCES LIST: ETHYLENE GLYCOL, 107-21-1, <1.0000%, ACETALDEHYDE, 75-07-0, <0.0006%, 1,4-DIOXANE, 123-91-1, <0.0005%, ETHYLENE OXIDE, 75-21-8, <0.0005%, FORMALDEHYDE,

SCOEPA00024259

50-00-0, <0.0004 %. PENNSYLVANIA: DIETHYLENE GLYCOL, 111-46-6, <5.0000%, ETHYLENE GLYCOL, 107-21-1, <1.0000%. CALIFORNIA PROPOSITION 65: 1,4-DIOXANE, 123-91-1, <0.0005%, ETHYLENE OXIDE, 75-21-8, <0.0005%, FORMALDEHYDE , 50-00-0, <0.0004%. CALIFORNIA PROPOSITION 65: (BIRTH DEFECT): ETHYLENE OXIDE, 75-21-8, <0.0005%.

==========

Other Information

==========

Other Information: FOR INDUSTRIAL USE ONLY. VOC: VAPOR PRESSURE <0.01 MMHG AT 20C. 91 G/L, 93 G/L LESS WATER AND LESS EXEMPTED SOLVENTS. EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES (EINECS): THE COMPON ENTS OF THIS PRODUCT ARE ON THE EINECS INVENTORY. CEPA - DOMESTIC SUBSTANCE LIST (DSL): THE COMPONENTS OF THIS PRODUCT ARE ON THE DSL.

==========

Transportation Information

==========

Responsible Party Cage: 0TAZ2
Trans ID NO: 149959
Product ID: CARBOWAX(TM) POLYETHYLENE GLYCOL 200
MSDS Prepared Date: 06/18/1999
Review Date: 11/13/1999
MFN: 1
Net Unit Weight: 46.9 LBS
Multiple KIT Number: 0
Unit Of Issue: CN
Container QTY: 0
Type Of Container: 1A1, 26 GA

==========

Detail DOT Information

==========

DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

==========

Detail IMO Information

==========

IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

==========

Detail IATA Information

==========

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
==========
Detail AFI Information
==========
AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
==========
HAZCOM Label
==========
Product ID: CARBOWAX(TM) POLYETHYLENE GLYCOL 200
Cage: 0TAZ2
Company Name: UNION CARBIDE CORPORATION
Street: 39 OLD RIDGEBURY RD
City: DANBURY CT
Zipcode: 06817-0001
Health Emergency Phone: 1-304-744-3487
Label Required IND: Y
Date Of Label Review: 11/13/1999
Status Code: A
Year Procured: 1999
Origination Code: F
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: Slight
Reactivity Hazard: None
Hazard And Precautions: ACUTE: INHALATION-SHORT-TERM HARMFUL EFFECTS ARE NOT EXPECTED FROM VAPOR GENERATED AT AMBIENT TEMPERATURE. EYE CONTACT, SKIN CONTACT, SWALLOWING-NO EVIDENCE OF HARMFUL EFFECTS FROM AVAILABLE INFORMATI ON. CHRONIC: ALTHOUGH THIS MATERIAL IS NOT A SKIN IRRITANT, SUBMERSION BY WORKERS OF UNPROTECTED SKIN IN HIGHLY CONCENTRATED SOLUTIONS OF THIS MATERIAL FRO PROLONGED PERIODS OF TIME COULD RESULT IN SK IN DEHYDRATION.
==========
Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or

SCOEPA00024261

viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
101128	Outfall 001

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-04

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	6	1	TO	2005	6	30

NOTE: Read instructions before completing this form.

PARAMETER		(3 Card Only) QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Process Waste Water Flow	SAMPLE MEASUREMENT	3,315	3,577	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	11.0	16.5	Kg/day	--	3.3	5.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	5.1	7.2	Kg/day	--	1.5	2.3	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	0.004	0.011	Kg/day	--	0.001	0.003	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	21.5	24.1	Kg/day	--	6.4	7.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 [illegible]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 05 MO 7 DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
Chrome batches are no longer being treated on site. pH Excursion: Total of 2.48 mins. @ pH: 5.9.

BR033

SCOEPA00024263

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-18) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR (19-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2005	6	1	TO	2005	6	30

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					2.8	8.0	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:

J Clayton

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	TELEPHONE NUMBER	DATE YEAR	DATE MO	DATE DAY
503	243-2020	05	7	11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024264

FORM: TYPE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 002

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	6	1	TO	2005	6	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-04

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	407	965	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.3	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and up to maximum imprisonment of between 6 months and 5 years)

Siltronic Corp. by:

J. Claxton

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 7 | DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024265

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-18)
101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	6	1	TO	2005	6	30
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-04

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (38-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,722	4,444	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	76.1	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	5.89	7.31	8.20			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
J Clayton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 503 243-2020 (AREA CODE / NUMBER)

DATE: 05 (YEAR) 7 (MO) 11 (DAY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024266

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

ER: 032.JWC

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

2005-July-12

June 2005 Industrial Discharge Report

Dear Mr. Dean,

Enclosed is the June 2005 Industrial Discharge Report for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

In addition is the Quarterly Report for April–June with analytical results for Arsenic, Total Suspended Solids and TTO's (volatiles).

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR for June 2005
Quarterly Report for April – June 2005
Siltronic Bench sheet for TSS
Analytical Report from Coffy Labs
Sample Chain of Custody
Special Account Meter Report Document

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: July 15, 2005

SAMPLING PERIOD: Quarterly April –June 2005

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By
Comments:	

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
June 2005	#1B (Fab 2)	GRAB

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
pH	SM-4508H	SU	0.1	5.0 - 11.5	N/A	No excursions
TTOs (Volatiles)	EPA 8260	<0.01 mg/L	0.005	1.37 mg/L	N/A	SEE CERTIFICATION STATEMENT BELOW

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	COMPOSITE

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
Arsenic (Total)	EPA 200-8	<0.005 mg/L	0.005	0.2 mg/L	0.83 mg/L	
Total Suspended Solids	EPA-160.8	46 mg/L	0.1	N/A	N/A	

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to the control authority.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: 7/11/05

SCOEPA00024268

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: July 15, 2005

SAMPLING PERIOD: June 2005

For Industrial Source Control Division Use Only

Date Postmarked/Received | Date Entered

Entered By:

Comments:

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	961	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Claxton Date: 7/11/05

Document1

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

June-05

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	952,260	100s of GALLONS)
CURRENT READING	109367	127,954	100s of GALLONS)
CONSUMPTION	0	175,694	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,756,940	10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,756,940	* 10 GAL / 7.48 GAL/CF =	2,348,850	CF
TOTAL THROUGH OVERFL(	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,348,850	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,247,055	(10s of GALLONS)
CURRENT READING	1,308,672	(10s of GALLONS)
CONSUMPTION	61,617	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	61,617	* 10 GAL / 7.48 GAL/CF=	82,376	CF

This meter reading was reported by: C. Justin Darr on 7/10/05
C. Justin Darr — date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024270

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 6-9-05 Oven Temp: 104 C Analyst: DI

Date In: 6-9-05 Time In/Out: 1000 / 1330

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0886	0.0886	
	CE FAB-1				
	CE FAB-1				
				Average CE FAB-1 TSS	
2	CE FAB-2	500	0.0903	0.0895	1.6
3	CE FAB-2	500	0.0895	0.0888	1.4
				Average CE FAB-2 TSS	1.5
4	OWW	100	0.0917	0.0872	45
5	OWW	100	0.0924	0.0876	48
				Average OWW TSS	46.5
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 06 Mar 2004 Revised

SCOEPA00024271

COFFEY LABORATORIES, INC.
CHAIN OF CUSTODY AGREEMENT

CENTRAL OREGON BRANCH
827 SW 7th
Redmond, OR 97756
PHONE/FAX (541) 548-0972

CORPORATE HEADQUARTERS
12423 NE Whitaker Way
Portland, OR 97230
(503) 254-1794 FAX: (503) 254-1452

EASTERN OREGON BRANCH
419 SW 5th
Pendleton, OR 97801
PHONE/FAX (541) 276-0385

Report Attention: Tom Rothschild
Company Name: Siltronic
Mailing Address: 7200 N W Front Ave
Portland, Oregon
Phone: (503) 219-7274 FAX: (503) 417-4141

Report Instructions (Special - Additional- Job Specific):
Need Report by June 23rd

PO Number: 4500075102
Project Number: 47-50
Project Name: Monthly
EPA Protocol Containers: Y/N Other:

Sample Turnaround
- [x] Standard
- [ ] Priority (Additonal Fee)
- [ ] Rush (Additional Fee)
- [ ] Emergency (Additional Fee)

Reporting Request
- [ ] State Compliance Format
- [x] FAX Results - Preliminary
- [ ] FAX Results-Final
- [ ] Verbals Results
- [ ] Extra Report Copy (Fees Associated)

Initials: Di

FOR LABORATORY USE ONLY Page ___ of ___
Job Number:
Custabbr: NEW
VISA M/C Cardholder:
Card # Exp:
Cash / Check / CC $ #
Billing Code: 1 2 3 4
QC LEVEL: 1 2 3 4
FEDX BUS COURIERS UPS LAB CLIENT MAIL AIR

Sample ID	Loc	ID	#	Collection Date	Collection Time	Media	Analysis Requested	Test Profile
05-47-CE-C				6/9/05	0615		BOD, Cr(T)	
05-48-CE-G				6/9/05	0615		8260, 8270 1-2, Dipheny/hydrazine	
05-49-OWW-C				6/9/05	0615		As(T)	
05-50-OWW-G				6/9/05	0615		IPA, 8260	

Sampled By: Dianne Irish
AUTHORIZED CUSTOMER SIGNATURE Dianne Irish DATE:

Sample Comments	Relinquished by: (Please Sign)	Date	Time	Received by: (Sign)	Date	Time
	Dianne Irish	6/9/05	1200	[signature]	6-9-05	1200
				LAB		

White Copy-Laboratory Yellow Copy - Customer

COMPLETE THIS FORM PER INSTRUCTIONS ON REVERSE SIDE

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO CLI WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THE CLIENT COPY.

ORELAP 100028

RECEIVED JUL 1 2005

Report Date: June 24, 2005
Job Number: A50609AR
PO Number: 4500075102
Project No: 47-50
Project Name: Monthly Compliance

Tom Rothschild
Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676

Analytical Narrative

The sample was received on 06/09/05 by Coffey Laboratories, Inc. (CLI) Sample Reception personnel under strict chain of custody protocol. The following information was provided at the time of sample reception:

Laboratory Sample ID	Field Identification	Matrix	Collection Date	Collection Time
A50609AR-1	05-47-CE-C	Waste Water	06/09/05	0615
A50609AR-2	05-48-CE-G	Waste Water	06/09/05	0615
A50609AR-3	05-49-OWW-C	Waste Water	06/09/05	0615
A50609AR-4	05-50-OWW-G	Waste Water	06/09/05	0615

The recommended holding time for each batch of analyses was in accordance with the data quality objectives as specified in the CLI Quality Assurance Plan unless otherwise noted.

Acceptable precision and accuracy were achieved for all analyses associated with this work order as demonstrated by the recoveries of the quality control samples analyzed concurrently with each batch.

The data submitted in this report is for the sole and exclusive use of the above-named client. All samples associated with the work order will be retained a maximum of 15 days from the report date or until the maximum holding time expires. All results pertain only to samples submitted.

Thank you for allowing Coffey Laboratories to be of service to you. If you have questions or need further assistance, please do not hesitate to call our Customer Services Department.

Sincerely,

John A. Guild

Technical Services

TS /atc

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50609AR
Page Number: 8 of 12

Lab Sample ID: A50609AR-3
Field ID: 05-49-OWW-C
Date/Time: 06/09/05 0615
Matrix: Waste Water

EPA Category: Inorganic Chemicals

Parameter	Method	Detection Limit	Analytical Result	Units	Analysis Date	Analyst
Arsenic	EPA 200.8	0.005	ND	mg/L	06/17/05	CV

ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00024274

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50609AR

Lab Sample ID: A50609AR-4
Field ID: 05-50-OWW-G
Date/Time: 06/09/05 0615
Matrix: Waste Water

EPA Category: Volatile Organic Chemicals
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 06/10/05
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acetone	0.015	ND	0.80
Benzene	0.005	ND	ND
Bromobenzene	0.005	ND	ND
Bromochloromethane	0.005	ND	ND
Bromodichloromethane	0.005	ND	ND
Bromoform	0.005	ND	ND
Bromomethane	0.005	ND	ND
2-Butanone (MEK)	0.005	ND	0.007
n-Butylbenzene	0.005	ND	ND
sec-Butylbenzene	0.005	ND	ND
tert-Butylbenzene	0.005	ND	ND
Carbon Disulfide	0.005	ND	ND
Carbon tetrachloride	0.005	ND	ND
Chlorobenzene	0.005	ND	ND
Chloroethane	0.005	ND	ND
Chloroform	0.005	ND	ND
Chloromethane	0.005	ND	ND
2-Chlorotoluene	0.005	ND	ND
4-Chlorotoluene	0.005	ND	ND
1,2-Dibromo-3-chloropropane	0.005	ND	ND
Dibromochloromethane	0.005	ND	ND
1,2-Dibromoethane	0.005	ND	ND
Dibromomethane	0.005	ND	ND
1,2-Dichlorobenzene	0.005	ND	ND
1,3-Dichlorobenzene	0.005	ND	ND
1,4-Dichlorobenzene	0.005	ND	ND
Dichlorodifluoromethane	0.005	ND	ND
1,1-Dichloroethane	0.005	ND	ND
1,2-Dichloroethane	0.005	ND	ND
1,1-Dichloroethene	0.005	ND	ND

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50609AR
Page Number: 10 of 12

Lab Sample ID: A50609AR-4
Field ID: 05-50-OWW-G
Date/Time: 06/09/05 0615
Matrix: Waste Water

EPA Category: Volatile Organic Chemicals
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 06/10/05
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
cis-1,2-Dichloroethene	0.005	ND	ND
trans-1,2-Dichloroethene	0.005	ND	ND
1,2-Dichloropropane	0.005	ND	ND
1,3-Dichloropropane	0.005	ND	ND
2,2-Dichloropropane	0.005	ND	ND
1,1-Dichloropropene	0.005	ND	ND
cis-1,3-Dichloropropene	0.005	ND	ND
trans-1,3-Dichloropropene	0.005	ND	ND
Ethylbenzene	0.005	ND	ND
Hexachlorobutadiene	0.005	ND	ND
2-Hexanone	0.005	ND	ND
Iodomethane	0.005	ND	ND
Isopropylbenzene	0.005	ND	ND
4-Isopropyltoluene	0.005	ND	ND
4-Methyl-2-pentanone	0.005	ND	ND
Methylene chloride	0.005	ND	ND
Naphthalene	0.005	ND	ND
n-Propylbenzene	0.005	ND	ND
Styrene	0.005	ND	ND
1,1,1,2-Tetrachloroethane	0.005	ND	ND
1,1,2,2-Tetrachloroethane	0.005	ND	ND
Tetrachloroethene	0.005	ND	ND
Toluene	0.005	ND	ND
1,2,3-Trichlorobenzene	0.005	ND	ND
1,2,4-Trichlorobenzene	0.005	ND	ND
1,1,1-Trichloroethane	0.005	ND	ND
1,1,2-Trichloroethane	0.005	ND	ND
Trichloroethene	0.005	ND	ND
Trichlorofluoromethane	0.005	ND	ND
1,2,3-Trichloropropane	0.005	ND	ND

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50609AR
Page Number: 11 of 12

Lab Sample ID: A50609AR-4
Field ID: 05-50-OWW-G
Date/Time: 06/09/05 0615
Matrix: Waste Water

EPA Category: Volatile Organic Chemicals
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 06/10/05
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
1,2,4-Trimethylbenzene	0.005	ND	ND
1,3,5-Trimethylbenzene	0.005	ND	ND
Vinyl acetate	0.005	ND	ND
Vinyl chloride	0.005	ND	ND
m,p-Xylene	0.01	ND	ND
o-Xylene	0.005	ND	ND
Dibromofluoromethane (Surr.)	---	---	118.%
1,2-Dichloroethane-d4 (Surr.)	---	---	109.%
Toluene-d8 (Surr.)	---	---	97.%
4-Bromofluorobenzene (Surr.)	---	---	91.%

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50609AR
Page Number: 12 of 12

Lab Sample ID: A50609AR-4
Field ID: 05-50-OWW-G
Date/Time: 06/09/05 0615
Matrix: Waste Water

EPA Category: Extractable Organics
Analysis Performed: CLISolventScan; Solvent Scan.
Analysis Date: 06/21/05
Analyst: JB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Isopropanol	1.	ND	5.

Results expressed as mg/l unless otherwise noted.

SCOEPA00024278

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

Mr. Dennis Jurries, PE
Oregon Department of Environmental Quality
Water Quality Source Control Storm Water
2020 SW 4th Avenue, Suite 400
Portland, Oregon 97201-4987

ER: 025.JWC

June 9, 2005

Industrial Storm Water NPDES 1200-Z Monitoring Report for July 1, 2004 to June 30, 2005

Dear Mr. Jurries,

Attached is Siltronic Corporation's Industrial Storm Water NPDES 1200-Z Monitoring Report for July 1, 2004 to June 30, 2005 as required by Siltronic's NPDES Storm Water Discharge Permit number 1200-Z issued October 1, 2002. Sampling was conducted November 2, 2004 and March 23 & 28, 2005 meeting the requirement of conducting two monitoring events per sample point between July 1, 2004 and June 30, 2005. All parameters were below benchmarks.

The following materials are enclosed in this report:

1. A summary of the results for 2004-2005 including sample results, bench marks, detection limits and analytical methods used.
2. Siltronic Corporation laboratory bench sheets for TSS and pH.
3. Copies of outside laboratory reports including the chain of custody forms for copper, lead, zinc and total oil & grease.
4. Copies of monthly visual inspection reports for floating solids and oil & grease sheen.

If you have any questions or comments, please contact me.

Best regards,

Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

CC: DEQ Storm Water File
Tom Rothschild

Industrial Source Control Division

INDUSTRIAL STORMWATER

NPDES 1200-Z MONITORING REPORT

Industry Name: **SILTRONICS CORPORATION**

Site Address: **7200 NW Front Avenue, Portland, OR 97210-3676**

The permittee shall monitor stormwater **twice** per year for the parameters outlined in their NPDES 1200-Z Stormwater Discharge Permit Schedule B.1.a., and submit results to the City as stated in Schedule D.2.

Stormwater samples were taken for the above permittee, on these days and at these sample points:

Sample Date(s)	Sample Point(s)
11/2/04	NORTH, EAST, SOUTH
3/23/05	NORTH
3/28/05	EAST, SOUTH

The permittee shall submit by **July 15** of each year a copy of the **laboratory analysis reports,** which show analytical methods and detection limits, for stormwater samples collected for the previous monitoring year (July 1- June 30).

☐ **Monitoring Waiver Reduction Notification:**
Check the box if your facility is exercising a waiver of monitoring based on meeting benchmarks listed in Schedule A.9., AND site conditions have not changed to impact stormwater run-off. Note: This does not exclude your facility from notifying DEQ about the waiver of monitoring. Please read Schedule B of the permit to clearly understand the monitor waiver reduction guidelines. If waiver request is for select pollutants, list the parameters excluded from monitoring: _____.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Claxton
Title: ENVIRONMENTAL ENGINEER
Date: 6/9/05

Revised 06/09/2005

SCOEPA00024280

siltronic
perfect silicon solutions

Summary of Results for 2004 - 2005

PARAMETER	Sample date	North results	South results	East results	BENCH MARK	Units	Detection limit	Method & Comments
Copper	11/2/2004	<0.03	<0.03	<0.03	0.1	mg/L	0.03	EPA 200.7
	3/23-28/05	**<0.03**	**<0.03**	**0.03**				
Lead	11/2/2004	<0.005	<0.005	<0.005	0.4	mg/L	0.005	EPA 239.2
	3/23-28/05	**<0.005**	**<0.005**	**<0.005**				
Zinc	11/2/2004	<0.1	<0.1	0.1	0.6	mg/L	0.05	EPA 200.7
	3/23-28/05	**0.17**	**0.15**	**0.23**				
pH	11/2/2004	5.95	6.17	6.16	5.5-9	pH units	0.1	Standards Methods 1998, 20th ed, Section 4500-H^+
	3/23-28/05	**5.8**	**6.5**	**6.8**				
TSS	11/2/2004	5.0	17.3	3.6	130	mg/L	0.1	Standards Methods 1998, 20th ed, Section 2540 D
	3/23-28/05	**1.7**	**11.2**	**16.2**				
Oil and Grease	11/2/2004	<3	<3	<3	10	mg/L	3	EPA 1664
	3/23-28/05	**<3**	**<3**	**<3**				

ORELAP 100028

RECEIVED NOV 2 9 2004

Report Date: November 22, 2004
Job Number: A41104AX
PO Number: 4500075102
Project No: 110-112
Project Name: Storm Water Fall 2004

Tom Rothschild
Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676

Analytical Narrative

The sample was received on 11/04/04 by Coffey Laboratories, Inc. (CLI) Sample Reception personnel under strict chain of custody protocol. The following information was provided at the time of sample reception:

Laboratory Sample ID	Field Identification	Matrix	Collection Date	Collection Time
A41104AX-1	04-110-SW-N	Storm Water	11/02/04	0915
A41104AX-2	04-111-SW-E	Storm Water	11/02/04	0945
A41104AX-3	04-112-SW-S	Storm Water	11/02/04	0930

The recommended holding time for each batch of analyses was in accordance with the data quality objectives as specified in the CLI Quality Assurance Plan unless otherwise noted.

Acceptable precision and accuracy were achieved for all analyses associated with this work order as demonstrated by the recoveries of the quality control samples analyzed concurrently with each batch.

The data submitted in this report is for the sole and exclusive use of the above-named client. All samples associated with the work order will be retained a maximum of 15 days from the report date or until the maximum holding time expires. All results pertain only to samples submitted.

Thank you for allowing Coffey Laboratories to be of service to you. If you have questions or need further assistance, please do not hesitate to call our Customer Services Department.

Sincerely,

John A. Guild

Technical Services

TS /atc

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A41104AX
Page Number: 2 of 4

Lab Sample ID: A41104AX-1
Field ID: 04-110-SW-N
Date/Time: 11/02/04 0915
Matrix: Storm Water

EPA Category: Inorganic Chemicals

Parameter	Method	Detection Limit	Analytical Result	Units
Total Oil & Grease	EPA 1664	3.	ND	mg/L
Copper	EPA 200.7	0.03	ND	mg/L
Zinc	EPA 200.7	0.1	ND	mg/L
Lead*	EPA 239.2	0.005	ND	mg/L

ND means none detected at or above the detection limit listed.
*The analysis is not covered under ORELAP scope of accreditation.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00024283

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A41104AX
Page Number: 3 of 4

Lab Sample ID: A41104AX-2
Field ID: 04-111-SW-E
Date/Time: 11/02/04 0945
Matrix: Storm Water

EPA Category: Inorganic Chemicals

Parameter	Method	Detection Limit	Analytical Result	Units
Total Oil & Grease	EPA 1664	3.	ND	mg/L
Copper	EPA 200.7	0.03	ND	mg/L
Zinc	EPA 200.7	0.1	0.1	mg/L
Lead*	EPA 239.2	0.005	ND	mg/L

ND means none detected at or above the detection limit listed.
*The analysis is not covered under ORELAP scope of accreditation.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00024284

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A41104AX
Page Number: 4 of 4

Lab Sample ID: A41104AX-3
Field ID: 04-112-SW-S
Date/Time: 11/02/04 0930
Matrix: Storm Water

EPA Category: Inorganic Chemicals

Parameter	Method	Detection Limit	Analytical Result	Units
Total Oil & Grease	EPA 1664	3.	ND	mg/L
Copper	EPA 200.7	0.03	ND	mg/L
Zinc	EPA 200.7	0.1	ND	mg/L
Lead*	EPA 239.2	0.005	ND	mg/L

ND means none detected at or above the detection limit listed.
*The analysis is not covered under ORELAP scope of accreditation.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00024285

COFFEY LAB[illegible]TORIES, INC.
CHAIN OF CUSTODY AGREEMENT

CENTRAL OREGON BRANCH
827 SW 7th
Redmond, OR 97756
PHONE/FAX (541) 548-0972

CORPORATE HEADQUARTERS
12423 NE Whitaker Way
Portland, OR 97230
(503) 254-1794 FAX: (503) 254-1452

EASTERN OREGON BRANCH
419 SW 5th
Pendleton, OR 97801
PHONE/FAX (541) 276-0385

Report Attention: Tom Rothschild
Company Name: Siltronic
Mailing Address: 7200 N W Front Ave
Portland, Oregon
Phone: (503) 219-7274 FAX: (503) 417-4141

Report Instructions (Special - Additional- Job Specific):

PO Number: 4500075102
Project Number: 110 ~ 112
Project Name: Storm Water - Fall-2004
EPA Protocol Containers: Y/N Other:

Sample Turnaround
- [x] Standard
- [ ] Priority (Additonal Fee)
- [ ] Rush (Additional Fee)
- [ ] Emergency (Additional Fee)

Reporting Request
- [ ] State Compliance Format
- [x] FAX Results - Preliminary
- [ ] FAX Results-Final
- [ ] Verbals Results
- [ ] Extra Report Copy (Fees Associated)

Initials: Di

FOR LABORATORY USE ONLY Page ___ of ___
Job Number
Custabor ☐ NEW
☐ VISA ☐ M/C Cardholder
Card # Exp
Cash / Check / CC $
Billing Code 1 2 3 4
QC LEVEL 1 2 3 4
FEDX BUS COURIERS UPS LAB CLIENT MAIL AIR

Sample ID	Loc	ID	#	Collection Date	Collection Time	Media	Analysis Requested	Test Profile
04-110 - SW.N				11/2/04	0915		Oil+Grease (EPA 1664) Cu, Pb, Zn (EPA 2008)	
04-111 - SW.E				11/2/04	0945		" "	
04-112 - SW.S				11/2/04	0930		" "	

Sampled By: JR+FT
AUTHORIZED CUSTOMER SIGNATURE Dianne Irish DATE: 11/2/04

Sample Comments	Relinquished by: (Please Sign)	Date	Time	Received by: (Sign)	Date	Time
	Dianne Irish	11/4/04	1030	[signature]	11-4-04	1030
				LAB		

White Copy-Laboratory Yellow Copy - Customer

COMPLETE THIS FORM PER INSTRUCTIONS ON REVERSE SIDE

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO CLI WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THE CLIENT COPY.

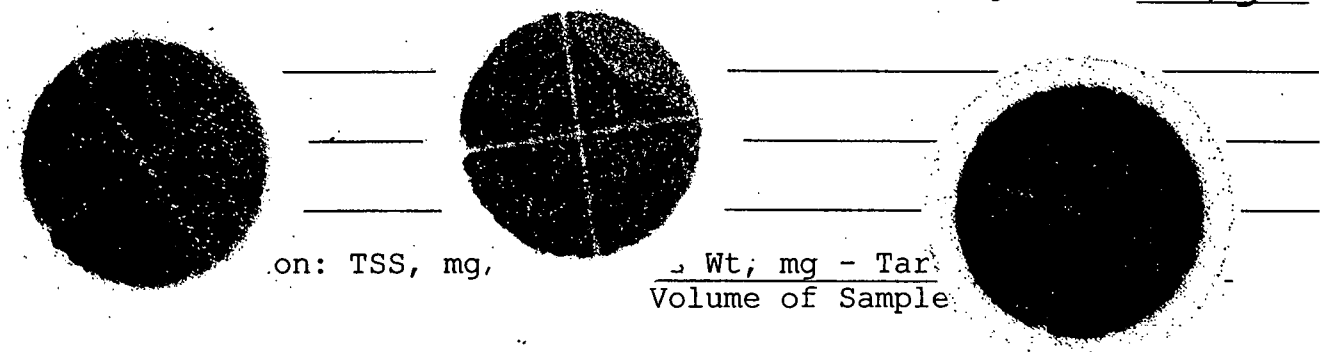
BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 11.2.04 Oven Temp: 105 C Analyst: Di

Date In: 11.2.04 Time In/Out: 1100 / 1340

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	N/A	0.0876	0.0876	0
2	04-110-N	500	0.0898	0.0872	4.8
3	04-110-N	500	0.0927	0.0901	5.2
				North Average TSS	5.0
4	04-111-E	500	0.0910	0.0892	3.6
5	04-111-E	500	0.0907	0.0889	3.6
				East Average TSS	3.6
6	04-112-S	500	0.0964	0.0879	17.0
7	04-112-S	500	0.0980	0.0892	17.6
				South Average TSS	17.3



on: TSS, mg, Wt, mg - Tar
Volume of Sample

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 45 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 12 Nov 2003 Revised

\\WSC-CLUSTER1_RADATA1_SERVER\RADATA1\Group\FACLAB\WWTP\BENCH\TSSSWB.DOC

SCOEPA00024287

BENCHSHEET

pH

Test Date: 11/2/04 Sample Date: 11/2/04 Analyst: DI

Slope: 99.7 (Range: 92 to 102%)

Standards:

4.0 mg/L: Lot #: 1301302 Date Opened: 8/28/03

7.0 mg/L: Lot #: 1311022 Date Opened: 2/27/04

10.0 mg/L: Lot #: 1307336 Date Opened: 11/26/03

Sample	pH Units
North	5.95
East	6.16
South	6.17

Notes: _____

_____

_____

Reference: 1. Standard Methods For The Examination of Water And Wastewater, 1998, 20th Edition, Section 4500-H^+B page 4-87.

DEI 13 Aug 2003

L:\FACLAB\WWTP\BENCH\PHB.DOC

ORELAP 100028

RECEIVED APR 11 2005

Report Date: April 6, 2005
Job Number: A50324BF
PO Number: 4500075102
Project No: None Provided
Project Name: 05-23 Stormwater - North

Tom Rothschild
Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676

Analytical Narrative

The sample was received on 03/24/05 by Coffey Laboratories, Inc. (CLI) Sample Reception personnel under strict chain of custody protocol. The following information was provided at the time of sample reception:

Laboratory Sample ID	Field Identification	Matrix	Collection Date	Collection Time
A50324BF-1	05-23 Stormwater - North	Waste Water	03/23/05	1300

The recommended holding time for each batch of analyses was in accordance with the data quality objectives as specified in the CLI Quality Assurance Plan unless otherwise noted.

Acceptable precision and accuracy were achieved for all analyses associated with this work order as demonstrated by the recoveries of the quality control samples analyzed concurrently with each batch.

The data submitted in this report is for the sole and exclusive use of the above-named client. All samples associated with the work order will be retained a maximum of 15 days from the report date or until the maximum holding time expires. All results pertain only to samples submitted.

Thank you for allowing Coffey Laboratories to be of service to you. If you have questions or need further assistance, please do not hesitate to call our Customer Services Department.

Sincerely,

John A. Guild

Technical Services

TS /atc

SCOEPA00024289

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50324BF
Page Number: 2 of 2

Lab Sample ID: A50324BF-1
Field ID: 05-23 Stormwater - North
Date/Time: 03/23/05 1300
Matrix: Waste Water

EPA Category: Inorganic Chemicals

Parameter	Method	Detection Limit	Analytical Result	Units
Total Oil & Grease	EPA 1664	3.	ND	mg/L
Biochemical Oxygen Demand	EPA 405.1	3.	ND	mg/L
Copper	EPA 200.7	0.03	ND	mg/L
Zinc	EPA 200.7	0.05	0.17	mg/L
Chromium	EPA 218.2	0.001	ND	mg/L
Lead	EPA 239.2	0.005	ND	mg/L

ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

COFFEY LABORATORIES, INC.
CHAIN OF CUSTODY AGREEMENT

CENTRAL OREGON BRANCH
827 SW 7th
Redmond, OR 97756
PHONE/FAX (541) 548-0972

CORPORATE HEADQUARTERS
12423 NE Whitaker Way
Portland, OR 97230
(503) 254-1794 FAX: (503) 254-1452

EASTERN OREGON BRANCH
419 SW 5th
Pendleton, OR 97801
PHONE/FAX (541) 276-0385

Report Attention: Tom Rothschild
Company Name: Siltronic
Mailing Address: 7200 N W Front Ave
Portland, Oregon
Phone: (503) 219-7274 FAX: (503) 417-4141

Report Instructions (Special - Additional- Job Specific):

PO Number: 4500075102
Project Number:
Project Name: Storm Water
EPA Protocol Containers: Y/N Other:

Sample Turnaround
- [x] Standard
- [ ] Priority (Additonal Fee)
- [ ] Rush (Additional Fee)
- [ ] Emergency (Additional Fee)

Reporting Request
- [ ] State Compliance Format
- [x] FAX Results - Preliminary
- [ ] FAX Results-Final
- [ ] Verbals Results
- [ ] Extra Report Copy (Fees Associated)

Initials: JJR

FOR LABORATORY USE ONLY Page ___ of ___
Job Number
Custabbr ☐ NEW
☐ VISA ☐ M/C Cardholder
Card # Exp
Cash / Check / CC $ #
Billing Code 1 2 3 4
QC LEVEL 1 2 3 4
FEDX BUS COURIERS UPS LAB CLIENT MAIL AIR

Sample ID	Loc	ID	#	Collection Date	Collection Time	Media	Analysis Requested	Test Profile
05-23 Storm Water - North				23 Mar 2005	1300	Waste Water	Oil and Grease; BOD; Cu, Pb, Zn, Cr(T)	

Sampled By: Thomas J. Rothschild
AUTHORIZED CUSTOMER SIGNATURE Thomas J. Rothschild DATE: 23 Mar 2005

Sample Comments	Relinquished by: (Please Sign)	Date	Time	Received by: (Sign)	Date	Time
	Thomas J. Rothschild	24 Mar 2005	0915	[signature]	3/24/05	9:15
				LAB		

White Copy-Laboratory Yellow Copy - Customer

COMPLETE THIS FORM PER INSTRUCTIONS ON REVERSE SIDE

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO CLI WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THE CLIENT COPY.

ORELAP 100028

RECEIVED APR 2 2 2005

Report Date: April 18, 2005
Job Number: A50328BJ
PO Number: 4500075102
Project No: None Provided
Project Name: Stormwater

Tom Rothschild
Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676

Analytical Narrative

The sample was received on 03/28/05 by Coffey Laboratories, Inc. (CLI) Sample Reception personnel under strict chain of custody protocol. The following information was provided at the time of sample reception:

Laboratory Sample ID	Field Identification	Matrix	Collection Date	Collection Time
A50328BJ-1	05 - 26 - Stormwater - East	Storm Water	03/28/05	1030
A50328BJ-2	05 - 25 - Stormwater - South	Storm Water	03/28/05	1050

The recommended holding time for each batch of analyses was in accordance with the data quality objectives as specified in the CLI Quality Assurance Plan unless otherwise noted.

Acceptable precision and accuracy were achieved for all analyses associated with this work order as demonstrated by the recoveries of the quality control samples analyzed concurrently with each batch.

The data submitted in this report is for the sole and exclusive use of the above-named client. All samples associated with the work order will be retained a maximum of 15 days from the report date or until the maximum holding time expires. All results pertain only to samples submitted.

Thank you for allowing Coffey Laboratories to be of service to you. If you have questions or need further assistance, please do not hesitate to call our Customer Services Department.

Sincerely,

John A. Guild

Technical Services

TS /atc

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50328BJ
Page Number: 3 of 3

Lab Sample ID: A50328BJ-2
Field ID: 05 - 25 - Stormwater - South
Date/Time: 03/28/05 1050
Matrix: Storm Water

EPA Category: Inorganic Chemicals

Parameter	Method	Detection Limit	Analytical Result	Units
Total Oil & Grease	EPA 1664	3.	ND	mg/L
Biochemical Oxygen Demand	EPA 405.1	3.	ND	mg/L
Copper	EPA 200.7	0.03	ND	mg/L
Zinc	EPA 200.7	0.05	0.15	mg/L
Chromium	EPA 218.2	0.001	ND	mg/L
Lead	EPA 239.2	0.005	ND	mg/L

ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A50328BJ

Lab Sample ID: A50328BJ-1
Field ID: 05 - 26 - Stormwater - East
Date/Time: 03/28/05 1030
Matrix: Storm Water

EPA Category: Inorganic Chemicals

Parameter	Method	Detection Limit	Analytical Result	Units
Total Oil & Grease	EPA 1664	3.	ND	mg/L
Biochemical Oxygen Demand	EPA 405.1	3.	ND	mg/L
Copper	EPA 200.7	0.03	0.03	mg/L
Zinc	EPA 200.7	0.05	0.23	mg/L
Chromium	EPA 218.2	0.001	ND	mg/L
Lead	EPA 239.2	0.005	ND	mg/L

ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

COFFEY LABORATORIES, INC.
CHAIN OF CUSTODY AGREEMENT

CENTRAL OREGON BRANCH
827 SW 7th
Redmond, OR 97756
PHONE/FAX (541) 548-0972

CORPORATE HEADQUARTERS
12423 NE Whitaker Way
Portland, OR 97230
(503) 254-1794 FAX: (503) 254-1452

EASTERN OREGON BRANCH
419 SW 5th
Pendleton, OR 97801
PHONE/FAX (541) 276-0385

Report Attention: Tom Rothschild
Company Name: Siltronic
Mailing Address: 7200 N W Front Ave
Portland, Oregon
Phone: (503) 219-7274 FAX: (503) 417-4141

Report Instructions (Special - Additional- Job Specific):

PO Number: 4500075102
Project Number:
Project Name: Stormwater
EPA Protocol Containers: Y/N Other:

Sample Turnaround
- [x] Standard
- [ ] Priority (Additonal Fee)
- [ ] Rush (Additional Fee)
- [ ] Emergency (Additional Fee)

Initials:

Reporting Request
- [ ] State Compliance Format
- [x] FAX Results - Preliminary
- [ ] FAX Results-Final
- [ ] Verbals Results
- [ ] Extra Report Copy (Fees Associated)

FOR LABORATORY USE ONLY Page of
Job Number
Custabbr NEW
VISA M/C Cardholder
Card # Exp
Cash / Check / CC $ #
Billing Code 1 2 3 4
QC LEVEL 1 2 3 4
FEDX BUS COURIERS UPS LAB CLIENT MAIL AIR

Sample ID	Loc	ID		Collection Date	Collection Time	Media	Analysis Requested	Test Profile
~~05-23 - Stormwater - North~~						~~Storm-water~~	~~Oil + Grease; BOD; Cu, Pb, Zn + Cr (total)~~	
05-26 - Stormwater - East				28 Mar 2005	1030	↓	" " "	
05-25 - Stormwater - South				↓	1050	↓	" " "	

Sampled By: Thomas J. Rothschild
AUTHORIZED CUSTOMER SIGNATURE Thomas J. Rothschild DATE: 28 Mar 2005

Sample Comments	Relinquished by: (Please Sign)	Date	Time	Received by: (Sign)	Date	Time
(1) 05-23 was sent Previously - JJR	Thomas J. Rothschild	28 Mar 2005	1205	[signature]	3-28-05	1205

White Copy-Laboratory Yellow Copy - Customer

COMPLETE THIS FORM PER INSTRUCTIONS ON REVERSE SIDE

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO CLI WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THE CLIENT COPY.

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 23 Mar 2005 (2) 29 Mar 2005 Oven Temp: 107 C 111 C (2) Analyst: JJR
Date In: 24 Mar 2005 Time In/Out: 0946 / ~1145 1020 1305

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1 (2)	Blank	–	0.0871 ~~0.0872~~ JJR	0.0872	–
1	Blank	–	0.0872	0.0875	–
6	North	500	0.0888	0.0880	1.6
7	North	500	0.0879	0.0870	1.8
				North Average TSS	1.7
2	East (2)	500	0.0956	0.0876	16
3	East (2)	500	0.0967	0.0885	16.4
				East Average TSS	16.2
4	South (2)	500	0.0923	0.0864	11.8
5	South (2)	500	0.0940	0.0887	10.6
				South Average TSS	11.2

Notes: (2) Sampled 28 Mar 2005, ~1050

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, mg - Tare Wt, mg) X 1000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 12 Nov 2003 Revised

SCOEPA00024296

BENCHSHEET

pH

Test Date: 28Mar2005 Sample Date: 28Mar2005 Analyst: JJR

Slope: 101.7 % (1) (Range: 92 to 102%)
95.7 (2)

Standards:

4.0 mg/L:	Lot #:	1407303 (2) 1301302 (1)	Date Opened:	28 Mar JJR 2005 (2) 28 Aug 2003
7.0 mg/L:	Lot #:	1311022 (1)(2)	Date Opened:	27 Feb 2004
10.0 mg/L:	Lot #:	—	Date Opened:	

Sample	pH Units
North (1)	5.8
East (2)	~~6.9~~ 6.8 JJR
South (2)	6.5

Notes: (1) 23 Mar 2005, 1306

(2) 28 Mar 2005, ~1050.

Reference: 1. Standard Methods For The Examination of Water And Wastewater, 1998, 20th Edition, Section 4500-H^+B page 4-87.

DEI 13 Aug 2003

L:\FACLAB\WWTP\BENCH\PHB.DOC

SCOEPA00024297

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	29 Jul 2004	
			North	East	South
Floating Solids	No visible discharge	Yes or No	Insufficient		
Oil and Grease Sheen*	No visible sheen	Yes or No	Rainfall JgR		

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	8/24/04	DI
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	9/30/09	
			North	East	South
Floating Solids	No visible discharge	Yes or No	No Rain	No Rain	No Rain ①
Oil and Grease Sheen*	No visible sheen	Yes or No	No Rain	No Rain	No Rain

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

① Was not able to coordinate Rain w/ avail. personnel.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	SU			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	10/26/04	
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	11/2/04	Di
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:	11/2/04	Di
			North	East	South
Total Copper	0.1	mg/L	<0.03	<0.03	<0.03
Total Lead	0.4	mg/L	<0.005	<0.005	<0.005
Total Zinc	0.6	mg/L	<0.1	0.1	<0.1
PH	5.5-9	Su	5.95	6.16	6.17
TSS	130	mg/L	5.0	3.6	17.3
Oil and Grease	10	mg/L	<3	<3	<3

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	12/7/04	D
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	1/17/05	
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	28Feb2005 JJR	
			North	East	South
Floating Solids	No visible discharge	Yes or No	(1)	(1)	(1)
Oil and Grease Sheen*	No visible sheen	Yes or No	(1)	(1)	(1)

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

(1) Insufficient rainfall. JJR

Wacker Siltronic Corporation Storm water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE: 23 Mar 2005	28 Mar 2005	28 Mar 2005
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE: 3/23/05	3/28/05	3/28/05
			North	East	South
Total Copper	0.1	mg/L	< 0.03	0.03	< 0.03
Total Lead	0.4	mg/L	< 0.005	< 0.005	< 0.005
Total Zinc	0.6	mg/L	0.17	0.23	0.15
pH (1)	5.5-9	Su	5.8	~~6.9~~ 6.8 3JR	6.5
TSS	130	mg/L	1.7	16.2	11.2
Oil and Grease	10	mg/L	< 3	< 3	< 3
Chromium, Total		mg/L	< 0.001	< 0.001	< 0.001

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

(1) Rain Water pH: 5.1 ± 0.1. 3JR

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE: 25 Apr 2005 JJR		
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Note: Raining at 0800. JJR

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	18 May 2005 (2)	
			North	East (1)	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

(1) muddy. JJR
(2) 1455-1515. Downpore. JJR

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	7 Jun 2005	
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 023.JWC

2005-June-8

May 2005 Industrial Discharge Report

Dear Mr. Dean,

Enclosed is the May 2005 Industrial Discharge Report for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR
Special Account Meter Report Document

cc: Tom Rothschild
POTW-IDR File

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

May-05

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	759,053	100s of GALLONS)
CURRENT READING	109367	952,260	100s of GALLONS)
CONSUMPTION	0	193,207	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,932,070		10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,932,070	* 10 GAL / 7.48 GAL/CF =	2,582,981	CF
TOTAL THROUGH OVERFLOW	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,582,981	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,185,935	(10s of GALLONS)
CURRENT READING	1,247,055	(10s of GALLONS)
CONSUMPTION	61,120	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	61,120	* 10 GAL / 7.48 GAL/CF=	81,711	CF

This meter reading was reported by: C. Justin Darr on date 6/8/05

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: June 15,2005

SAMPLING PERIOD: May 2005

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By:
Comments:	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit		
#1B (Fab 2)	Foxboro	961	5.0 - 11.5 S.U.		
DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)	COMMENTS
No excursions				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: 6/8/05

Document3

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-18) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR (19-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2005	5	1	TO	2005	5	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-04

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	MAXIMUM (54-61)	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	MAXIMUM (54-61)	UNITS	NO. EX (62-65)	FREQUENCY OF ANALYSIS (66-69)	SAMPLE TYPE (70-71)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,277	3,714	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	14.5	16.2	Kg/day	--	4.5	5.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	2.7	4.8	Kg/day	--	0.8	1.5	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	Kg/day	--	<0.001	0.001	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	26.5	27.8	Kg/day	--	8.2	8.7	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319.

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 05 MO 6 DAY 8

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ER 022

Chrome batches are no longer being treated on site. pH Excursion: Total of 11.75 mins. Lowest pH: 5.7, longest time: 5.1 mins.

SCOEPA00024313

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-18) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR (19-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2005	5	1	TO	2005	5	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	MAXIMUM (54-61)	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					3.3	8.0	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 [illegible]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 6 | DAY 8

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024314

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-18)
101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	5	1	TO	2005	5	31
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-65)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	163	337	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.3	mg/l		1/7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 6 | DAY 8

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024315

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 003

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	5	1	TO	2005	5	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,439	4,005	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	78.9	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	5.67	7.48	8.04			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020
DATE: YEAR 05 MO 6 DAY 8

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024316

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 020.JWC

2005-May-9

April 2005 Industrial Discharge Report

Dear Mr. Dean,

Enclosed is the April 2005 Industrial Discharge Report for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR
Special Account Meter Report Document

cc: Tom Rothschild
POTW-IDR File

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

April-05

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	582,262	100s of GALLONS)
CURRENT READING	109367	759,053	100s of GALLONS)
CONSUMPTION	0	176,791	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,767,910	10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,767,910	* 10 GAL / 7.48 GAL/CF =	2,363,516	CF
TOTAL THROUGH OVERFLOV	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,363,516	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,138,632	(10s of GALLONS)
CURRENT READING	1,185,935	(10s of GALLONS)
CONSUMPTION	47,303	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	47,303	* 10 GAL / 7.48 GAL/CF=	63,239	CF

This meter reading was reported by: C. Justin Darr on 5/5/05
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024318

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: May 15, 2005

SAMPLING PERIOD: April 2005

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By

Comments:

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit		
#1B (Fab 2)	Foxboro	961	5.0 - 11.5 S.U.		
DATE	**STARTING TIME (military time)**	**MOST EXTREME pH EXCURSION**	**DURATION (minutes)**	**VIOLATION? (circle one)**	**COMMENTS**
No Excursions				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	
				YES NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Claxton Date: 5/9/05

Document1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2005	4	1	TO	2005	4	30

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (45-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	(54-61) AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,208	3,888	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	13.0	18.6	Kg/day	--	4.0	5.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	5.6	6.1	Kg/day	--	1.8	2.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr Total	SAMPLE MEASUREMENT	<0.004	0.006	Kg/day	--	0.001	0.002	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	28.6	34.8	Kg/day	--	9.0	10.8	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1 001 AND 33 USC 1319 [illegible]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 5 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
Chrome batches are no longer being treated on site

ER 019

SCOEPA00024320

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-18)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	4	1	TO	2005	4	30
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(3 Card Only) QUANTITY OR LOADING (54-61) MAXIMUM	(3 Card Only) QUANTITY OR LOADING UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(4 Card Only) QUALITY OR CONCENTRATION (46-53) AVERAGE	(4 Card Only) QUALITY OR CONCENTRATION (54-61) MAXIMUM	(4 Card Only) QUALITY OR CONCENTRATION UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					3.1	10.6	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours.	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 per violation, imprisonment of between 6 months and 3 years).

Siltronic Corp by:

J Claxton

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	05	5	9
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024321

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: 101128

(17-19) DISCHARGE NUMBER: Outfall 002

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	4	1	TO	2005	4	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	150	303	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.4	0.8	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and up to maximum imprisonment of between 6 months and 5 years).

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 5 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024322

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(C-16)	(17-19)
101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	4	1	TO	2005	4	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,358	3,929	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	76.1	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.03	7.38	7.95			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020
DATE: YEAR 05 MO 5 DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024323

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 015.JWC

2005-April-14

March 2005 Industrial Discharge Report

Dear Mr. Dean,

Enclosed is the March 2005 Industrial Discharge Report for Siltronic Corporation Municipal Discharge permit 469-01. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: Apruil 15TH, 2005.

SAMPLING PERIOD: March 2005

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By

Comments:

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxoboro	961	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No Excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: 4/14/05

Document1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	3	1	TO	2005	3	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-04

NOTE: Read instructions before completing this form.

PARAMETER		(3 Card Only) QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Process Waste Water Flow	SAMPLE MEASUREMENT	3,201	3,479	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	10.9	16.2	Kg/day	--	3.5	5.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	5.1	7.8	Kg/day	--	1.7	2.4	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	Kg/day	--	<0.001	<0.001	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	22.0	26.2	Kg/day	--	7.2	8.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 05 MO 4 DAY 14

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chrome batches are no longer being treated on site

ER 016

SCOEPA00024326

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-18)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	3	1	TO	2005	3	31
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					3.9	7.6	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 24 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and up to maximum imprisonment of between 6 months and 5 years).

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	05	4	14
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024327

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

PERMIT NUMBER	DISCHARGE NUMBER
101128	Outfall 002

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	3	1	TO	2005	3	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	150	273	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years).

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 4 | DAY 14

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024328

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 003

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2005	3	1	TO	2005	3	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(1 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	MAXIMUM (54-61)	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,351	3,608	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	75.0	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.14	7.26	8.63			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 4 | DAY 14

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024329

See NPDES file for data sent
J Clayton
4/11/05

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

ER: 014.JWC

Dennis Ades
DEQ
Portland, Oregon 97201

2005-April-11

Additional Temperature for Willamette River TMDL project

Dear Mr. Ades,

Thank you for taking the time to answer my questions Wednesday. We have completed your spreadsheet but felt that addition information should be included.

1. Temperature data is collected continuously by strip chart and periodic grab samples. We have been collecting data electronically since Feb 2002, but did not begin reporting the electronic data until after our permit was renewed in May 2004. The following table gives the maximum temperature profile of our discharge for the last six years in degrees C.

   Maximum Effluent Temperatures collected both by grab sampling and electronic collected

	1999	2000	2001	2002	2003	2004	Ave. Max. temp for all 6 yr.	Max. temp seen in 6 yr.	Ave. Max. temp for Electronic data only	Max. Temp seen in Electronic data only
Jan	25.22	21.89	19.28	17.61	20.49	20.56	20.84	25.22	20.53	20.56
Feb	21.22	22.83	19.56	20.93	20.24	20.71	20.92	22.83	20.63	20.93
Mar	21.72	21.00	20.28	21.00	21.16	22.04	21.20	22.04	21.40	22.04
Apr	21.61	21.39	21.33	24.18	21.23	23.24	22.16	**24.18**	22.88	**24.18**
May	21.67	21.72	21.17	23.72	22.50	23.98	22.46	**23.98**	23.40	**23.98**
Jun	23.06	22.78	23.06	23.93	23.38	25.21	23.57	**25.21**	24.17	**25.21**
Jul	24.39	23.06	23.11	25.33	24.33	26.19	24.40	**26.19**	25.28	**26.19**
Aug	21.83	23.72	23.06	25.58	28.31	26.13	24.77	**28.31**	26.67	**28.31**
Sep	24.78	24.22	22.72	25.51	24.68	24.79	24.45	**25.51**	24.99	**25.51**
Oct	24.56	24.39	22.44	24.31	22.53	24.40	23.77	24.56	23.75	24.40
Nov	23.44	22.11	20.56	22.89	20.88	24.61	22.42	24.61	22.79	24.61
Dec	22.28	20.56	17.39	21.37	23.34	24.61	21.59	24.61	23.11	24.61

   The light gray data are from weekly grab samples. The balance of data were obtained electronically. We have seen that temperatures collected electronically are greater than those taken by grab sampling. The maximum effluent temperatures for April though September are in bold. These values are considerably higher than the values published in the DRAFT Willamette Basin TMDL: mainstem temperature tables for Siltronic.

2. Using equation 1, page 4-155 of the DRAFT Willamette Basin TMDL, the change in the river temperature, ΔTR, from the Siltronic discharge can be calculated.

siltronic
perfect silicon solutions

$$\Delta TR = \frac{(Q_{PS} \times T_{PS}) + (Q_R \times T_R)}{(Q_{PS} + Q_R)} - T_R$$

where: Q_{PS} is equal to Siltronic's maximum effluent discharge of 2.71 million gal/day or 4.19 ft^3/sec.
T_{PS} is equal to Siltronic's maximum effluent temperature 28.31°C (from table in section 1).
Q_R is equal to 7Q10 for river or 6000 ft^3/sec.
T_R is equal to 20.00°C.

then: ΔTR equals 0.006°C based on the maximum effluent temperature measured.
Using the maximum 7DADM temperature for 2004, 24.9°C from your spreadsheet, ΔTR equals 0.003°C.

3. As we discussed in our telephone call, the worksheet tab labeled 2003 contains the wrong data label for the date function in column A of the worksheet. It reads 1999 but should be 2003.

4. The Siltronic discharge to the Willamette River is composed of three outfalls. 001: Treated process waste water, 002: non-contact cooling water and boiler blowdown, and 004 Storm water from a portion of site. These three outfalls combine and the temperature of the combination is measured at the discharge point to the river (river mile 6.6).

5. One concern that Siltronic had with the DRAFT was how to apply the seven day maximum average temperature in the calculations. And, if the seven day maximum effluent flow was to be used in the calculations. It's good to see that you have included both of these in your spreadsheet.

6. Siltronic has an very active water conservation program. Water usage and waste water discharge have decreased 25% to 30% in the last four years. However, Siltronic feels that the calculated Net Effluent Heat Limits for Siltronic should be based on the Effluent Design Maximum of 2.71 million gallons/day since we are planning for expansion of existing facilities in the future.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

Jim Claxton
Environmental Engineer

cc: Tom McCue
NPDES Permit file

ER013 : MB

National Environmental PerformanceTrack
U.S. Environmental Protection Agency

OMB No. 2010-0032
Expiration Date 08/30/06

2004 Performance Track Annual Performance Report

Siltronic Corporation
A100006

Year 1 Annual Performance Report
Member Since 2001 (2nd Member Term)

SCOEPA00024333

SECTION A: GENERAL FACILITY INFORMATION

A.1 Name of your facility:

Siltronic Corporation

A.2 Name of your parent company:

Siltronic AG

A.3 Facility contact person for the Performance Track program:

Name:	Mr. Myron Burr
Title:	Environmental Engineer
Phone:	(503) 219-7832
Fax:	(503) 219-7599
Email:	myron.burr@siltronic.com

A.4 Facility location:

Street Address:	7200 NW Front Avenue
Address Cont:	
City:	Portland
State:	OR
Zip Code:	97210-3676

Mailing address (if different from above):

Mailing Address:

SCOEPA00024334

Address Cont:

City:

State:

Zip Code:

If your facility has multiple street addresses, please list any other addresses for its sites or buildings.

A.5 Facility's website address (if any):

http://www.siltronic.com

A.6 Number of employees (full-time equivalents) who currently work in the facility:

500-1,000

A.7 North American Industrial Classification System (NAICS) Code(s) that is(are) used to classify busine the facility:

334413

A.8 In your application and, perhaps, in previous annual performance reports, you described what your facility does or makes. Have there been any (additional) changes to your facility's list of products an activities?

No

If yes, please list them here:

A.9 Have the environmental requirements applicable to your facility changed during this reporting perio

No

If yes, please describe these changes here:

SCOEPA00024335

Section B: ENVIRONMENTAL MANAGEMENT SYSTEM

B.1.a When was an EMS assessment last conducted by an independent party at your facility?

2004

If an assessment was conducted during 2004, please provide the type (e.g., ISO 14001 certification) scope, and the month(s) of each assessment.

Type	Scope	Dates
ISO 14001 Conformance Audit	All elements of the ISO 14001 Standard. Fab 2.	January 200
ISO 14001 Conformance Audit	All elements of the ISO 14001 Standard. Fab 1.	August 2004

B.1.b When was an internal EMS audit last conducted at your facility?

2004

If an audit was conducted during 2004, please provide the scope and month(s) of each audit.

Scope	Dates
All elements of the ISO 14001 Standard. Whole facility.	May 2004

B.1.c When was an internal or corporate compliance audit last conducted at your facility?

2004

If an audit was conducted during 2004, please provide the scope and the month(s) of each audit, ar indicate who conducted the audit(s) (e.g., facility staff, corporate groups, third party). (Don't includ audits, inspections, or site visits by regulatory or external organizations).

Scope	Dates	Who conducted tl audit
Environmental regulatory monitoring, inspections and reporting. Performed monthly.	March 2004	Facility staff
Environmental regulatory monitoring, inspections and reporting. Performed monthly.	June 2004	Facility staff
Environmental regulatory monitoring, inspections and reporting. Performed monthly.	September 2004	Facility staff
Environmental regulatory monitoring, inspections and reporting. Performed monthly.	December 2004	Facility staff

B.1.d (Optional) If you would like to describe any other audits or inspections that were conducted at you facility, please do so here.

1. Oregon Department of Environmental Quality hazardous waste inspection. 2. City of Portland Industrial Source Control inspection: semi-annually. 3. City of Portland stormwater inspection. 4. Oregon Departmen Environmental Quality NPDES inspection.

B.1.e Briefly summarize corrective actions taken and other improvements made as a result of your EMS assessments and compliance audits.

SCOEPA00024336

1. Clarified internal training requirements. 2. Clarified internal compliance auditing procedure.

B.1.f Has your facility corrected all instances of potential non-compliance and EMS non-conformance identified during your audits and other assessments?

Yes

If no, please explain your plans to correct these instances.

B.1.g When was the last Senior Management review of your EMS completed?

February05

Who was the senior manager present at the review?

Name: Mr.Neil J. Nelson

Title: President and CEO

B.2.a ISO 14001 Certification. Is your facility currently certified to ISO 14001?

Yes

B.2.b Is your facility a Responsible Care-certified facility?

No

B.3 Environmental Aspects Identification. When did your facility last conduct a systematic identification and/or review of your environmental aspects?

March 05

SECTION C: ENVIRONMENTAL PERFORMANCE RESULTS

C.1 COMMITMENT 1

Siltronic Corporation's first commitment is to reduce the facility's discharges of toxics, specifically wate soluble nitrates.

C.1.a Briefly describe your activities and achievements related to this commitment or, if relevant, a circumstances that delayed progress this year.

After several years of research and development, Siltronic Corporation invested in and successfully implemented a nitric acid re-use program in 2004. In addition, extensive testing and development wa successful in reducing the amount of nitric acid needed in the manufacturing process. Overall, Siltror 2004 discharge of water soluble nitrates was reduced by more than 26% from the year before.

C.1.b Please report your facility's actual performance.

SCOEPA00024337

Performance Data						
Calendar Year	Baseline 2003	Year 1 2004	Year 2 2005	Year 3 2006	Performance Commitment	Units
Actual Quantity (per year)	900,007	662,000			n/a	Pounds

C.1.c Normalized progress toward goal.

Normalized Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Normalizing Factor	1.0	1.21				
Normalized Quantity	900,007	547,107.44			700,007	Pounds
Basis for your Normalizing Factor:	Millions of wafer units produced, weighted for heterogeneity					

C.1.d Please list any other EPA voluntary programs to which you are reporting these data.

C.2 COMMITMENT 2

Siltronic Corporation's second commitment is to reduce the facility's total water use.

C.2.a Briefly describe your activities and achievements related to this commitment or, if relevant, a circumstances that delayed progress this year.

Silicon wafer manufacturing has high cleanliness requirements. Water rinsing is one of the basic mea achieve this cleanliness. However, over the last several years Siltronic has been working to reduce tl use of water while still maintaining the high manufacturing cleanliness requirements. One approach h been to re-use process water in some process scrubbers. In addition, we invested in and successfull implemented our latest water conservation project after two years of research. This project involved u process wastewater to keep drain lines clear instead of using city water. This water re-use project als reduced the need for maintenance on this drain system. Overall, Siltronic's 2004 water use was redu by over 6% from the year before. Siltronic is continuing to evaluate methods to conserve water and t more closely align water use with production.

C.2.b Please report your facility's actual performance.

Performance Data						
Calendar Year	Baseline 2003	Year 1 2004	Year 2 2005	Year 3 2006	Performance Commitment	Units
Actual Quantity (per year)	652,986,000	612,800,000			n/a	Gallons

C.2.c Normalized progress toward goal.

SCOEPA00024338

Normalized Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Normalizing Factor	1.0	1.21				
Normalized Quantity	652,986,000	506,446,280.99			602,986,000	Gallons
Basis for your Normalizing Factor:	Millions of wafer units produced, weighted for heterogeneity					

C.2.d Please list any other EPA voluntary programs to which you are reporting these data.

C.3 COMMITMENT 3

Wacker Siltronic Corporation's third commitment is to reduce the facility's materials use, specifically wi saw slurry .

C.3.a Briefly describe your activities and achievements related to this commitment or, if relevant, a circumstances that delayed progress this year.

In 2004, Siltronic Corporation continued to test and develop a method for reclaiming its wire saw slur We expect to start implementing this system in 2005.

C.3.b Please report your facility's actual performance.

Performance Data						
	Baseline	Year 1	Year 2	Year 3	Performance	
Calendar Year	2003	2004	2005	2006	Commitment	Units
Actual Quantity (per year)	1,282,629	1,452,808			n/a	Pounds

C.3.c Normalized progress toward goal.

Normalized Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Normalizing Factor	1.0	1.21				
Normalized Quantity	1,282,629	1,200,667.77			682,629	Pounds
Basis for your Normalizing Factor:	Millions of wafer units produced, weighted for heterogeneity.					

C.3.d Please list any other EPA voluntary programs to which you are reporting these data.

SCOEPA00024339

C.4 COMMITMENT 4

Siltronic Corporation's fourth commitment is to reduce the facility's total (non-transportation) energy us

C.4.a Briefly describe your activities and achievements related to this commitment or, if relevant, a circumstances that delayed progress this year.

Silicon wafer manufacturing requires the use of energy to ensure very clean conditions. However, ov the last several years Siltronic has been working to reduce the use of energy while continuing to mai very clean manufacturing conditions. In 2004, Siltronic Corporation evaluated and successfully implmented several electricity and natural gas conservation measures. Overall, Siltronic's 2004 ener use was reduced by 2.8% from the year before. Siltronic is continuing to evaluate methods to conser energy and to more closely align energy use with production.

C.4.b Please report your facility's actual performance.

Performance Data					
	Baseline	Year 1	Year 2	Year 3	
Calendar Year	2003	2004	2005	2006	Units
Energy Generated Off-Site					
Electricity	124,101	121,331			Mwh
Steam					
Total Energy Generated Off-Site	423,432.61	413,981.37			MMBtus
Sources of Energy Generated On-Site					
Coal					
Natural Gas	182,119	174,341			MMBtus
Crude Oil					
Fuel Oil					
Diesel	16.64	81.12			MMBtus
Propane/LPG					
Gasoline					
Hydrogen Powered Fuel Cells					
Natural Gas/Methane Powered Fuel Cells					
Biomass					
Solar					
Wind					
Landfill Gas					
Geothermal					
Hydroelectric					
Other Fuel or Source					

SCOEPA00024340

Specify:				
Total Energy Generated On-Site	182,135.64	174,422.12		MMBtus
Total Renewable Energy Use	317,151.03	310,072.05		MMBtus
Total Non-Renewable Energy Use	288,417.22	278,331.44		MMBtus
Total Energy Use	605,568.25	588,403.49		MMBtus
Metric Tons of CO_2 Equivalents	28,233.16	27,411.14		MTCO2E
Metric Tons of CO_2 Equivalents Offset Through Purchases of Electricty from Renewable Off-Site Sources				MTCO2E
Net Metric Tons of CO_2 Equivalents	28,233.16	27,411.14		MTCO2E

C.4.c Summarized progress toward goal.

Actual Energy Use Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Total Energy Use	605,568.25	588,403.49			n/a	MMBtus
Net Metric Tons of CO_2 Equivalents	28,233.16	27,411.14			n/a	MTCO2E

Normalized Energy Use Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Normalizing Factor	1.0	1.21				
Total Energy Use	605,568.25	486,283.88			572,819.45	MMBtus
Net Metric Tons of CO_2 Equivalents	28,233.16	22,653.83			26,727.45	MTCO2E
Basis for your Normalizing Factor:	Millions of wafer units produced, weighted for heterogeneity					

C.4.d Please list any other EPA voluntary programs to which you are reporting these data.

Progress Towards Other Significant Aspects of your EMS

In the table below, please provide a narrative summary of progress made toward EMS objectives and targets o than those reported as Environmental Performance Commitments. You may limit the summary to environmenta aspects that are significant and towards which progress has been made during the reporting year. Do you have additional environmental aspects to report?Yes

Environmental Aspect	**Progress Made This Year** (e.g., quantitative or qualitative improvements, activities conducted)

SCOEPA00024341

Procurement	Replaced certain product packaging with more environmentally friendly packaging.
Energy Consumption	Siltronic Corporation commissioned an energy conservation study of its compressed air system to determine the viability of such modifications. The results of the study indicated that no modifications were viable at this time.

Attachments (if applicable) :

SECTION D: PUBLIC OUTREACH AND PERFORMANCE REPORTING

D.1 Please briefly describe the activities that your facility conducted during the year to interact with the community on environmental issues and to report publicly on environmental performance.

1. Siltronic hosted the Oregon Governor, the Portland Development Commission and our project partners at recognition ceremony for the team that completed a major pollution reduction project. 2. Siltronic's Presidenl CEO was featured in "Business Viewpoint," the publication of Associated Oregon Industries, regarding Siltrc Sustainability Program. 3. Siltronic was invited to participate and provide expertise to the City of Portland Ha Mitigation Steering Committee. 4. Siltronic was invited to present its Sustainability Program to the State of Oregon Sustainable Business and Job Project Steering Committee. 5. Siltronic provided environmental information to a local author for a new book she is writing. 6. Siltronic hosted a tour for a students from a loc school and numerous facility tours for customers. 7. Siltronic hosted a "Take Your Sons and Daughters to W day. 8. Sitronic participates in the Semiconductor Workforce Consortium for community college and high scl technical curriculum development. 9. Siltronic promoted the local Car Free commute month within the comp:

D.2 Please indicate which of the following methods your facility plans to use to make its Performance Tr Annual Performance Report available to the public. Please check all that apply.

Web Site
URL: http://www.siltronic.com

Attachments (if applicable):

OMB No. 2010-0032

SECTION E: SELF-CERTIFICATION OF CONTINUED PROGRAM PARTICIPATION

The U.S. Environmental Protection Agency is not yet in a position to accept electronic signatures and therefore requests a faxed, signed copy of the Section E page. Please complete Section E online, then print Section E usi the link on the Overview page.Section E should be signed by the senior manager of your facility and faxed it to tl Performance Track Information Center at (617) 354-0463.

On behalf of Siltronic Corporation, I certify that:

- I have read and agree to the terms and conditions as specified in the National Enviromental Performance Track Program Guide. This facility, to the best of my knowledge, continues to meet all program criteria;

SCOEPA00024342

- I have personally examined and am familiar with the information contained in this Annual Performance Re The information contained in this report is, to the best of my knowledge and based on reasonable inquiry, accurate, and complete;
- My facility has an environmental management system (EMS), as defined in the Performance Track EMS criteria, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, trib and local environmental requirements; and the facility has corrected all identified instances of potential or actual noncompliance; and
- Based on the foregoing compliance assessments and subsequent corrective actions (if any were necessa my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environment Performance Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision. I am the senior manager with responsibility for the facility and am fully authorize execute this statement on behalf of the corporation or other legal entity whose facility is part of the National Environmental Performance Track program.

Signature/Date:	_____
Name:	Mr. Neil J. Nelson
Title:	President and CEO
Phone Number:	503-219-7500
E-Mail Address:	neil.nelson@siltronic.com
Facility Name:	Siltronic Corporation
Facility Street Address:	7200 NW Front Avenue Portland, OR 97210-3676
Mailing Address:	,
Performance Track ID#:	A100006

SCOEPA00024343

OMB No. 2010-0032

SECTION E: SELF-CERTIFICATION OF CONTINUED PROGRAM PARTICIPATION

The U.S. Environmental Protection Agency is not yet in a position to accept electronic signatures and therefore requests a faxed, signed copy of the Section E page. Please complete Section E online, then print Section E using the link on the Overview page.Section E should be signed by the senior manager of your facility and faxed it to the Performance Track Information Center at (617) 354-0463.

On behalf of Siltronic Corporation, I certify that:

- I have read and agree to the terms and conditions as specified in the National Enviromental Performance Track Program Guide. This facility, to the best of my knowledge, continues to meet all program criteria;
- I have personally examined and am familiar with the information contained in this Annual Performance Report. The information contained in this report is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete;
- My facility has an environmental management system (EMS), as defined in the Performance Track EMS criteria, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements; and the facility has corrected all identified instances of potential or actual noncompliance; and
- Based on the foregoing compliance assessments and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environment Performance Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision. I am the senior manager with responsibility for the facility and am fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is part of the National Environmental Performance Track program.

Signature/Date:	
Name:	Mr. Neil J. Nelson
Title:	President and CEO
Phone Number:	503-219-7500
E-Mail Address:	neil.nelson@siltronic.com
Facility Name:	Siltronic Corporation
Facility Street	7200 NW Front Avenue

SCOEPA00024344

Address:	Portland, OR 97210-3676
Mailing Address:	,
Performance Track ID#:	A100006

SCOEPA00024345

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	2499
CONNECTION TEL	916173540463
CONNECTION ID	
ST. TIME	03/28 15:29
USAGE T	00'46
PGS. SENT	2
RESULT	OK

OMB No. 2010-0032

SECTION E: SELF-CERTIFICATION OF CONTINUED PROGRAM PARTICIPATION

The U.S. Environmental Protection Agency is not yet in a position to accept electronic signatures and therefore requests a faxed, signed copy of the Section E page. Please complete Section E online, then print Section E using the link on the Overview page.Section E should be signed by the senior manager of your facility and faxed it to the Performance Track Information Center at (617) 354-0463.

On behalf of Siltronic Corporation, I certify that:

- I have read and agree to the terms and conditions as specified in the National Enviromental Performance Track Program Guide. This facility, to the best of my knowledge, continues to meet all program criteria;
- I have personally examined and am familiar with the information contained in this Annual Performance Report. The information contained in this report is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete;
- My facility has an environmental management system (EMS), as defined in the Performance Track EMS criteria, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements; and the facility has corrected all identified instances of potential or actual noncompliance; and
- Based on the foregoing compliance assessments and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environment Performance Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision. I am the senior manager with responsibility for the facility and am fully authorized to execute this statement on behalf of the

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 010.JWC

2005-March-11

February 2005 Industrial Discharge Report

Dear Mr. Dean,

Enclosed is the February 2005 Industrial Discharge Report for Siltronic Corporation Municipal Discharge permit 469-01. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR
Special Account Meter Report Document

cc: Tom Rothschild
POTW-IDR File

SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

Feb-05

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	225,570	00s of GALLONS)
CURRENT READING	109367	400,735	00s of GALLONS)
CONSUMPTION	0	175,165	00s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,751,650	10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,751,650	* 10 GAL / 7.48 GAL/CF =	2,341,778	CF
TOTAL THROUGH OVERFLOW LINE	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,341,778	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,053,074	(10s of GALLONS)
CURRENT READING	1,088,638	(10s of GALLONS)
CONSUMPTION	35,564	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	35,564	* 10 GAL / 7.48 GAL/CF=	47,545	CF

This meter reading was reported by: C. Justin Darr on 3/0/05
C. Justin Darr date

Sent to: Buereau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024348

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: March 15, 2005

SAMPLING PERIOD: February 2005

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	861	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No Excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: 3/11/05

Document1

Land Quality

HOME **FORMS** PROFILE ADMIN

Production Database Reporting Forms Log

User: Myron Burr **Role:** Administrator Log Off

RCRA Site ID: ORD096253737

Siltronic Corporation
7200 NW FRONT AVE
PORTLAND, OR 97210

Open Pre-printed Site ID Form

Reporting Forms Log

Your electronic submission to DEQ was successful. Thank you.

Site ID Form History

Type	Status	Effective	Legal Owner	Submitted	E-Filer	
AR: RY2004	LQG	12/31/2004	Siltronic AG	Yes	Yes	·View ·Print
New: RY2003	LQG	1/19/2004	Siltronic AG	Yes	No	·View ·Print
Revised	LQG	1/9/2004	WACKER SILTRONIC CORPORATION	No	Yes	·Edit ·Delete ·Print
AR: RY2002	LQG	2/18/2003	WACKER SILTRONIC CORPORATION	Yes	No	·View ·Print
AR: RY2001	LQG	2/28/2002	WACKER SILTRONIC CORPORATION	Yes	No	·View ·Print
AR: RY2000	LQG	2/12/2001	WACKER SILTRONIC CORPORATION	Yes	No	·View ·Print
AR: RY1999	SQG	2/25/2000	WACKER SILTRONIC CORPORATION	Yes	No	·View ·Print
AR: RY1998	SQG	2/10/1999	WACKER SILTRONIC CORPORATION	Yes	No	·View ·Print
AR: RY1997	SQG	2/24/1998	WACKER SILTRONIC CORPORATION	Yes	No	·View ·Print
AR: RY1996	SQG	2/28/1997	WACKER SILTRONIC CORPORATION	Yes	No	·View ·Print
AR: RY1995	LQG	2/27/1996	WACKER SILTRONIC CORPORATION	Yes	No	·View ·Print
AR: RY1994	SQG	3/3/1995	WACKER SILTRONIC CORPORATION	Yes	No	·View ·Print
AR: RY1993	SQG	2/28/1994	WACKER SILTRONIC CORPORATION	Yes	No	·View ·Print
AR: RY1992	LQG	2/26/1993	WACKER SILTRONIC CORPORATION	Yes	No	·View ·Print
New: RY1991	LQG	3/11/1992	WACKER SILTRONIC CORPORATION	Yes	No	·View ·Print

Annual Report Form History

Reporting Year: 2004

Sent: 12/29/2004 **Effective:** 12/31/2004

SCOEPA00024350

RCRA Waste Site Identification Form

Site ID

State of Oregon Department of Environmental Quality
Accounting Section
811 SW Sixth Avenue, Portland, OR 97204-1390
Questions: (503)229-6511 in Portland, OR or toll free in Oregon: (800)452-4011 Ext. 6511
Fax: (503)229-6977
TTY: (50)229-6993
Email: hazwaste@deq.state.or.us
Web site: www.deq.state.or.us

State of Oregon Department of Environmental Quality

1. Reason for Submittal

- ☐ To provide **New** Notification of Regulated Waste Activity (complete entire form)
  - ☐ Initial Notification ($200 non-refundable fee required)
  - ☐ Change in business ownership (represent the new owner) (No fee required)
  - ☐ Reactivation of RCRA Site ID Number ($200 non-refundable fee required)
- ☐ To provide **Revised** Site Identification Information
- ☐ To **Withdraw** Site Identification Number
  - ☐ Completion of RCRA waste activity
  - ☐ Change in business ownership (represent the old owner) Effective Date: 12/31/2004
- ☒ To provide as a component of the **Annual Hazardous Waste Report** (skip section 11, 12, and 13)

Reporting Year: 2004 If ownership changed: ☒ Filing for entire year ☐ Filing for partial year

2. RCRA Site ID Number: ORD096253737

3a. Site Location Information

Company Name: Siltronic Corporation
Site Location: 7200 NW FRONT AVE
PORTLAND, OR 97210
County: MULTNOMAH
Corp. Div. Reg. Nbr.: 015267-22
NAICS Code: 334413
Employee Count: 999

4a. Site Contact

Person Name: Myron Burr
Mailing Address: 7200 NW Front Ave
Portland, OR 97210-3676
Country: UNITED STATES
Phone Number (Ext): 503 219-7832
Email Address: myron.burr@siltronic.com

5a. Land Owner

Name: Siltronic Corporation
Mailing Address: 7200 NW Front Avenue
Portland, OR 97210-3676
Country: UNITED STATES
Phone Number (Ext): (503) 219-7832
Owner Type: ☒ Private ☐ Federal ☐ State ☐ County ☐ District ☐ Municipal ☐ Tribal ☐ Other

SCOEPA00024351

RCRA Waste Site Identification Form

Site ID

RCRA Site ID Number: ORD096253737

8. Legal Owner

Name: Siltronic AG
Mailing Address: 7200 NW Front Avenue
Portland, OR 97210-3676
Country: UNITED STATES
Phone Number (Ext): (503) 219-7832
Owner Since: 08/07/1980
Owner Type: ☒ Private ☐ Federal ☐ State ☐ County ☐ District ☐ Municipal ☐ Tribal ☐ Other

7c. Site Operator

Name: Sitronic Corporation
Mailing Address: 7200 NW Front Avenue
Portland, OR 97210-3676
Country: UNITED STATES
Phone Number (Ext): (503) 219-7832
Operator Since:
Operator Type: ☒ Private ☐ Federal ☐ State ☐ County ☐ District ☐ Municipal ☐ Tribal ☐ Other

8a. Hazardous Waste Forms Contact

Person Name: Myron Burr
Organization: Siltronic Corporation
Mailing Address: 7200 NW Front Ave
Portland, OR 97210-3676
Country: UNITED STATES
Phone Number (Ext): 503 219-7832
Email Address: myron.burr@siltronic.com

9a. Hazardous Waste Fee Contact

Person Name: Tom McCue
Organization: Siltronic Corporation
Mailing Address: 7200 NW Front Ave
Portland, OR 97210-3676
Country: UNITED STATES
Phone Number (Ext): 503 219-7832
Email Address: tom.mccue@siltronic.com

SCOEPA00024352

RCRA Waste Site Identification Form

Site ID

RCRA Site ID Number: ORD096253737

[illegible] (Mark the appropriate boxes for activities that apply to your site)

1. Generator of Hazardous Waste

- [X] a. LQG: Large Quantity Generator (Generates greater than 2,200 lbs/mo or more than 2.2 lbs of acute hazardous waste)
- [ ] b. SQG: Small Quantity Generator: (Generates between 220-2,200 lbs/mo or more than 2,200 lbs accumulated on-site)
- [ ] c. CEG: Conditionally Exempt Generator: (Generates between 0-220 lbs/mo, less than 2.2 lbs of acute hazardous waste and less than 2,200 lbs accumulated on-site)

2. Are you a hazardous waste generator due to remediation of environmental contamination or a business closure?

- [ ] Yes
- [X] No

If yes, find out about expedited annual reporting at: www.deq.state.or.us/wmc/hw/factsheets/HWFeesForCleanups.p

- [ ] **3. Importer of Hazardous Waste**
- [ ] **4. Generator of Mixed Waste (hazardous and radioactive)**

5. Transporter of Hazardous Waste

- [ ] a. Transports hazardous waste generated at this facility
- [ ] b. Transports for commercial purposes
- [ ] c. Hazardous Waste Transfer Facility

- [ ] **6. Treatment, Storage, Disposal (TSD) Facility**

(Note: A RCRA Permit is required for this activity)

7. Recycler of Hazardous Waste

- [ ] a. Recycles HW generated at this facility
- [ ] b. Recycles HW generated by other facilities

8. Hazardous waste management in RCRA permit exempt units (e.g. elementary neutralization units, waste water treatment units, or accumulation tanks or containers)

- [X] a. Manages HW generated at this facility
- [ ] b. Manages HW generated by other facilities

9. Exempt Boiler and/or Industrial Furnace

- [ ] a. Small Quantity On-Site Burner Exemption
- [ ] b. Smelting, Melting, Refining Furnace Exemption

- [ ] **10. Underground Injection Control**

If yes, there may be addition reporting requirements at: www.deq.state.or.us/wq/groundwa/uichome.htm

11. Description of Hazardous Wastes

1. Waste Codes for Federally Regulated Hazardous Wastes: Identify the federal hazardous waste codes that best describe your waste (e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc.) List additional federal codes in the comments section.

D001, D002, D003, D005, D006, D007, D009, D011, D018, D022, D035, D040, D043, F002, F005, U134

2. Waste Codes for State Regulated(i.e., non-federal) Hazardous Wastes: Identify the Oregon state-only hazardous waste codes that best describe your waste (e.g., ORX001, ORX007, ORP003, ORU001, etc.)

12. Universal Waste Activities (Mark the appropriate boxes for activities that apply to your site)

- [ ] **1. Large Quantity Handler of Universal Waste**

(Accumulates a total of 11,000 lbs. or more of universal waste at any time, at the location at which it was generated)

- [ ] **2. Off-site Universal Waste Collection Site**

(Accumulates a total of 2,000 lbs. or more of universal waste received from off-site). If yes, there are additional notification requirements at: www.deq.state.or.us/wmc/documents/uwnotification.pdf

- [ ] **3. Pesticide Collection Program**

(Collects and accumulates waste pesticides from off-site). If yes, there are additional notification requirements at: www.deq.state.or.us/wmc/documents/uwnotification.pdf

- [ ] **4. Destination Facility for Universal Waste**

(A facility that treats, disposes of, or recycles universal wastes on-site)

5. Mark all boxes that apply

	Generate	Accumulate
a. Batteries	☐	☐
b. Mercury containing	☐	☐
c. Lamps	☐	☐
d. Pesticides	☐	☐

13. Used Oil Activities (Mark the appropriate boxes for activities that apply to your site)

- [ ] **1. Used Oil Collection Center**
- [ ] **2. Used Oil Transporter**
- [ ] **3. Used Oil Transfer Facility**

4. Used Oil Processor/Re-refiner

Indicate type(s) of activity(s)

- [ ] a. Processor
- [ ] b. Re-refiner

- [ ] **5. Off-Specification Used Oil Burner (not used oil space heaters operating according to CFR 279.23)**

6. Used Oil Fuel Marketer

Indicate type(s) of activity(s)

- [ ] a. Marketer who directs shipments of off-specification used oil to off-specification used oil burner
- [ ] b. Marketer who first claims the used oil to meet the specifications

SCOEPA00024353

RCRA Waste Site Identification Form

Site ID

RCRA Site ID Number: ORD096253737

9. Certification

This form cannot be processed without a signature

I certify that under penalty of law that I have personally examined and am familiar with the information submitted in this demonstration and all attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Signature **Date**

Name (print or type) **Title**

If you have special accommodation needs or require this documentin an alternative format, please contact the Hazardous Waste Section in Portland at 503-229-6938 or toll-free within the State of Oregon at 1-800-452-4011, extension 6938

10. Electronic Submittals

DEQ will issue a PIN number and electronic filing instructions in a letter addressed to the Forms Contact in Section 8 on this form. The electronic reporting system may be used for your company's annual reporting and site identification updates.

Submitted online 3/1/05 no signature required (MWB)

SCOEPA00024354

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number:

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Waste chromic acid

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D002 D007

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G04

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W103

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:
HF

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 5292.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
811.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 1090.00

SCOEPA00024355

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
02/10/2004	02885	2000.00	WAR000001743	H132	WAD991281767
05/05/2004	07052	1590.00	WAR000001743	H132	WAD991281767
07/28/2004	13905	450.00	WAR000001743	H132	WAD991281767
10/18/2004	19514	1531.00	WAR000001743	H132	WAD991281767

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024356

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only

Date Received

A. Description of Hazardous Waste Stream — Sequence

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Waste contaminated rags and debris, waste wax

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D001 F005

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G06

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W606

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 6972.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
335.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 616.00

SCOEPA00024357

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR
02/05/2004	21887	700.00	CAD009452657	H050	CAD009452657
03/18/2004	36018	762.00	CAD009452657	H050	CAD009452657
04/29/2004	36148	1454.00	CAD009452657	H050	CAD009452657
05/05/2004	36172	222.00	CAD009452657	H050	CAD009452657
06/09/2004	36252	656.00	CAD009452657	H050	CAD009452657
07/29/2004	36385	1231.00	CAD009452657	H050	CAD009452657
09/20/2004	80903	812.00	CAD009452657	H050	CAD009452657
10/25/2004	80961	870.00	CAD009452657	H050	CAD009452657
12/12/2004	81068	546.00	CAD009452657	H050	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024358

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name: Siltronic Corporation

For DEQ Use Only

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number:

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Mercury Debris

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D009

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G09

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W002

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☒ Yes ☐ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?

Quantity: 5.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?

Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?

☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?

Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 15.00

SCOEPA00024359

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR
02/05/2004	21887	15.00	CAD009452657	H040	CAD009452657
06/09/2004	36252	5.00	CAD009452657	H040	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

A.8.a The mercury content is entered as 0.001 because this is the lowest value that can be entered in this field. The actual value is 1.7 mg/l and not the value of 0.001 above.

SCOEPA00024360

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name: Siltronic Corporation

For DEQ Use Only

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 4

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Partially filled and empty aerosol cans

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D001 D003

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G06

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W219

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 105.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 15.00

SCOEPA00024361

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
02/05/2004	01274	25.00	CAD009452657	H050	AZD009015389
05/05/2004	4504	50.00	CAD009452657	H050	AZD009015389
12/13/2004	12134	45.00	CAD009452657	H050	AZD009015389

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024362

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Segment Number:

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Acid debris

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G32

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W002

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:
HF HCL

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 555.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024363

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR
03/18/2004	36018	30.00	CAD009452657	H040	CAD009452657
06/09/2004	36252	450.00	CAD009452657	H040	CAD009452657
09/20/2004	80903	50.00	CAD009452657	H040	CAD009452657
12/12/2004	81068	25.00	CAD009452657	H040	CAD009452657

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number.

SCOEPA00024364

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only

Date Received

A. Identification of Hazardous Waste Stream — Sequence Number

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
RCRA exempt waste water (CAD) comprised of hydrofluoric acid, nitric acid

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G04

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W105

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:
14797-55-8 HF

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 72600000.00 ☐ Pounds ☒ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: 1.00 ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☒ On-site ☐ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: 72600000.00 Management Method Code: H136

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024365

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024366

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name: Siltronic Corporation

For DEQ Use Only:
Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 7

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
RCRA exempt wastewater (CCD) comprised of sodium hydroxide and potassium hy

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G02

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W110

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 77250.00 ☐ Pounds ☒ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: 1.00 ☐ Pounds/gallon ☒ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☒ On-site ☐ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: 77250.00 Management Method Code: H136

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024367

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR

G. Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number.

SCOEPA00024368

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ use only

Date Received:

A. Description of Hazardous Waste Stream — Sequence Number:

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Debris from HF tank demolition

A-3. Which EPA hazardous waste codes are associated with this waste stream?
U134

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G15

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W002

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:
HF

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 2000.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024369

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR
10/21/2004	24445	2000.00	NJD080631369	H132	ORD089452353

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024370

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

Regulator Use Only

Date Received:

A. Description of Hazardous Waste Stream

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Investigation derived waste (PPE)

A-3. Which EPA hazardous waste codes are associated with this waste stream?
F002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G46

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W002

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 1250.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024371

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
11/01/2004	11104	1100.00	CAD009452657	H132	ORD089452353
12/13/2004	12135	150.00	CAD009452657	H132	ORD089452353

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024372

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only

Date Received:

A. Identification of Hazardous Waste Stream

Sequence Number: 1

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Broken thermometer

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D009

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G19

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W004

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☒ Yes ☐ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 1.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?

Quantity: 1.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?

Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?

☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?

Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024373

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR
12/13/2004	81087	1.00	CAD009452657	H010	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

Broken thermometer

SCOEPA00024374

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name: Siltronic Corporation

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 11

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Excess oil-based paint

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D001 D035 D002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G11

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W209

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 50.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 100.00

SCOEPA00024375

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR
02/05/2004	01273	150.00	CAD009452657	H061	AZD009015389

C. Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

At the end of 2003, this waste was coded as D001. D002 and 035 were subsequently added.

SCOEPA00024376

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name: Siltronic Corporation

For DEQ Use Only

Date Received

A. Description of Hazardous Waste Stream

Sequence Number: 12

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Excess oil-based paint

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D001 D035 D005

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G11

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W209

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 500.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024377

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
04/29/2004	36148	500.00	CAD009452657	H050	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024378

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name: Siltronic Corporation

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 13

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
labpack of excess oil-based paints

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D001

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G11

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W209

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?

Quantity: 198.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?

Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?

☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?

Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024379

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
02/05/2004	01273	190.00	CAD009452657	H061	AZD009015389
09/20/2004	80906	8.00	CAD009452657	H050	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024380

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name: Siltronic Corporation

For DEQ Use Only
Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 16

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Sodium hydroxide, solid

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D003

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G13

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W319

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?

Quantity: 350.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?

Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?

☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?

Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024381

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
06/09/2004	36252	350.00	CAD009452657	H040	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

Solid sodium hydroxide.

SCOEPA00024382

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 16

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Trash and PPE from site investigation

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D018 D040

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G46

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W002

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 100.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024383

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
02/05/2004	21887	100.00	CAD009452657	H050	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number.

SCOEPA00024384

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name: Siltronic Corporation

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 16

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
DI water with mercury

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D009

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G22

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W101

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? [X] Yes [ ] No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?

Quantity: 6.00 [ ] Pounds [X] Gallons [ ] Tons [ ] Cubic Yards [ ] Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?

Density: 1.00 [ ] Pounds/gallon [X] Specific gravity [ ] Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?

[ ] On-site [X] Off-site [ ] Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?

Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024385

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR
07/29/2004	36385	6.00	CAD009452657	H020	CAD009452657

C. Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number.

A.8a. The mercury content is entered as 0.001 because this is the lowest value that can be entered in this field. The mercury concentration for this waste is 0.7 mg/l.

SCOEPA00024386

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only:

Date Received: _____

A. Description of Hazardous Waste Stream

Sequence Number: 17

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Labpack of waste corrosive liquid

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G22

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W001

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?

Quantity: 10.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?

Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?

☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?

Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024387

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
12/13/2004	81087	10.00	CAD009452657	H040	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number.

SCOEPA00024388

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number:

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Labpack of difluoroethane vessel

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D001

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G19

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W001

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?

Quantity: 5.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?

Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?

☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?

Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024389

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
02/05/2004	01273	5.00	CAD009452657	H040	AZD009015389

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number.

Source is facility cleanout.

SCOEPA00024390

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number:

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Labpack of excess hydrochloric acid

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G11

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W001

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 50.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024391

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR
02/05/2004	01273	50.00	CAD009452657	H040	AZD009015389

C. Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number.

SCOEPA00024392

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 26

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Labpack of waste oxidizing solid, corrosive

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G22

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W001

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?

Quantity: 8.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?

Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?

☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?

Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024393

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR
05/05/2004	36044	8.00	CAD009452657	H040	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024394

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 2

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Labpack of waste methyl ethyl ketone peroxide

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D001

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G11

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W001

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?

Quantity: 65.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?

Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?

☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?

Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024395

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
05/05/2004	36044	65.00	CAD009452657	H040	CAD009452657

C. Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number.

SCOEPA00024396

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number 22

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
labpack of excess diisopropylamine

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D001

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G11

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W001

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 5.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024397

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
07/29/2004	36386	5.00	CAD009452657	H040	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024398

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 3

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Labpack of empty propane cylinders

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D001

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G19

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W001

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?

Quantity: 4.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?

Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?

☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?

Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024399

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
12/13/2004	12134	4.00	CAD009452657	H040	CAD009452657

C. Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

Source was facility cleanout.

SCOEPA00024400

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 2

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Labpack of lab waste

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D001 D022 F003

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G22

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W001

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 4.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024401

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
12/13/2004	81087	4.00	CAD009452657	H040	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number.

SCOEPA00024402

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only:

Date Received: _____

A. Description of Hazardous Waste Stream

Sequence Number: 25

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Labpack of lab waste

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D002 D007

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G22

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W001

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 4.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024403

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR
12/13/2004	81087	4.00	CAD009452657	H040	CAD009452657

C. Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024404

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 26

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Investigation derived waste (soil w/ benzene)

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D040 F002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G46

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W301

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 600.00 ☒ Pounds ☐ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024405

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
11/01/2004	80973	600.00	CAD009452657	H040	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number.

SCOEPA00024406

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only
Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 27

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Investigation derived waste (water w/ benzene)

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D018 F002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G46

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W101

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 1010.00 ☐ Pounds ☒ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: 1.00 ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024407

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
09/20/2004	80903	75.00	CAD009452657	H020	CAD009452657
10/21/2004	80955	385.00	CAD009452657	H020	CAD009452657
11/01/2004	80973	495.00	CAD009452657	H020	CAD009452657
12/12/2004	81068	55.00	CAD009452657	H020	CAD009452657

C. Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 26

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Investigation derived waste (water w/ benzene and trichloroethene)

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D018 D040 F002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G46

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W101

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 90.00 ☐ Pounds ☒ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: 1.00 ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024409

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
03/18/2004	36018	55.00	CAD009452657	H020	CAD009452657
06/09/2004	36252	35.00	CAD009452657	H020	CAD009452657

C. Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024410

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 2

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Investigation derived waste (water w/ trichloroethene)

A-3. Which EPA hazardous waste codes are associated with this waste stream?
F002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G46

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W101

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?

Quantity: 440.00 ☐ Pounds ☒ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?

Density: 1.00 ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?

☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?

Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024411

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR
03/18/2004	36018	220.00	CAD009452657	H020	CAD009452657
06/09/2004	36252	220.00	CAD009452657	H020	CAD009452657

C. Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024412

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 30

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Investigation derived waste (water w/ trichloroethene and vinyl chloride)

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D040 D043 F002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G46

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W101

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 140.00 ☐ Pounds ☒ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: 1.00 ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024413

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR
03/18/2004	36018	85.00	CAD009452657	H020	CAD009452657
06/09/2004	36252	55.00	CAD009452657	H020	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name:

For DEQ Use Only:

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 3

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Lab waste

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D002 D006 D007 D009 D011

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G22

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W001

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☒ Yes ☐ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.40

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?
Quantity: 2.00 ☐ Pounds ☒ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?
Density: 1.00 ☐ Pounds/gallon ☐ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?
☐ On-site ☒ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?
Quantity: Management Method Code:

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:
0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024415

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment DT	Manifest NR	Reported QT	Transporter ID NR	Mgmt System CD	RCRA Site ID NR
04/29/2004	49544	2.00	CAD009452657	H010	CAD009452657

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024416

Generation and Management Answer Sheet

GM

Please enter your RCRA Site ID number and your site name in the box at the right, before making as many two-sided copies of this answer sheet as you will need to report each of your waste streams. Complete one answer sheet for each waste stream that was generated.

Reference the instructions as you complete this form. Please type or print legibly in blue or black ink.

Please Enter:

Your RCRA Site ID Number: ORD096253737

Site Name: Siltronic Corporation

For DEQ Use Only

Date Received:

A. Description of Hazardous Waste Stream

Sequence Number: 37

A-1. What is your waste stream identification?

A-2. Briefly describe the hazardous waste stream:
Investigation derived waste groundwater

A-3. Which EPA hazardous waste codes are associated with this waste stream?
F002

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated? G46

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream? W101

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R), please provide the CAS numbers reported:

A-8. Did this waste stream contain mercury? ☐ Yes ☒ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream: 0.00

B. Hazardous Waste Management Activities

B-1. What is the total quantity of this waste stream generated in the reporting year and what is the unit of measure?

Quantity: 39000.00 ☐ Pounds ☒ Gallons ☐ Tons ☐ Cubic Yards ☐ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?

Density: 1.00 ☐ Pounds/gallon ☒ Specific gravity ☐ Pounds/cubic yard

B-2. Was the waste stream managed on-site, off-site, or both?

☒ On-site ☐ Off-site ☐ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?

Quantity: 39000.00 Management Method Code: H135

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:

0.00

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year: 0.00

SCOEPA00024417

Generation and Management Answer Sheet

GM

ORD096253737

B-6. Please provide the following information for each off-site shipment of waste:

Shipment_DT	Manifest_NR	Reported_QT	Transporter_ID_NR	Mgmt_System_CD	RCRA_Site_ID_NR

Comments

Use the Comments section to provide any additional comments, information or explanations as necessary. In your comments always provide the reference to the specific question number:

SCOEPA00024418

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

ER: 007.JWC

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

2005-Feburary-10

January 2005 Industrial Discharge Report

Dear Mr. Dean,

Enclosed is the January 2005 Industrial Discharge Report for Siltronic Corporation Municipal Discharge permit 469-01. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR
Special Account Meter Report Document

cc: Tom Rothschild
POTW-IDR File

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

January-05

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	46,550	100s of GALLONS)
CURRENT READING	109367	225,570	100s of GALLONS)
CONSUMPTION	0	179,020	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,790,200		(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,790,200	* 10 GAL / 7.48 GAL/CF =	2,393,316 CF
TOTAL THRU' OVERFLOW LINE	0	* 10 GAL / 7.48 GAL/CF =	0 CF
TOTAL CONSUMPTION			2,393,316 CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,004,742	(10s of GALLONS)
CURRENT READING	1,053,074	(10s of GALLONS)
CONSUMPTION	48,332	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	48,332	* 10 GAL / 7.48 GAL/CF=	64,615 CF

This meter reading was reported by: C. Justin Darr on 2/8/04
C. Justin Darr date

Sent to: Buereau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024420

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: Feb 15TH.

SAMPLING PERIOD: January 2005

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By
Comments:	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	861	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: 2/10/2005

Document1

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	1	1	TO	2005	1	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(46-53) MAXIMUM	(46-53) UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,270	3,691	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	12.9	17.0	Kg/day	--	3.9	5.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	6.6	8.2	Kg/day	--	2.0	2.4	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l		Batch	
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	Kg/day	--	<0.001	<0.001	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	26.5	29.8	Kg/day	--	8.0	8.8	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.2	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 05 MO 2 DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ER:006 JWC

Chrome batches are no longer being treated on site. pH Excursion: Total of 9.25 mins. Lowest pH: 5.4, longest excursion: 3 min 40sec.

SCOEPA00024422

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2005	1	1	TO	2005	1	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-65)	FREQUENCY OF ANALYSIS (66-69)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					4.2	10.0	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and up to maximum imprisonment of between 6 months and 5 years).

Siltronic Corp. by:

J Claston

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
503	243-2020	05	2	9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024423

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
101128	Outfall 002

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	1	1	TO	2005	1	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
MV-3 Flow	SAMPLE MEASUREMENT	337	927	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.3	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
J Clayton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 2 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024424

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: 101128

(17-19) DISCHARGE NUMBER: Outfall 003

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	1	1	TO	2005	1	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(I Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(46-53) MAXIMUM	(46-53) UNITS	(I Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,607	4,603	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	74.2	°F		1/7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	5.39	7.40	8.74			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 per violation, imprisonment of between 6 months and 5 years)

Siltronic Corp. by:

J Claston

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 2 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA Form 3320-1 (Rev. 9-88) Previous editions may be used. (REPLACES EPA FORM T[illegible] WHICH MAY NOT BE USED.)

SCOEPA00024425

siltronic
perfect silicon solutions

Thomas C. McCue
Manager, Enviromental Affairs
Siltronic Corporation
7200 NW Front Avenue, MS-30
Portland OR 97210-3676, USA
Tel. 503-219-7532
Fax 503-219-7599
Tom.mccue@siltronic.com

Department of Environmental Quality
Northwest Region
2020 SW Fourth Avenue, Suite 400
Portland, OR 97201-4987

February 10, 2005 ER004:MB

Subject: 2004 Air Emissions Report
ACDP No. 26-3002

Enclosed are two copies of the Annual Report for Wacker Siltronic Corporation required under our Air Contaminant Discharge Permit (ACDP). The Report of Excess Emissions is included in the body of the Annual Report.

No upset condition incidents were reported to DEQ in 2004.

We estimated 2004 emissions using AP-42 emission factors, natural gas usage (for boilers) and hours of operation (for generators).

If you have any questions, please call Myron Burr at 503-219-7832.

Very truly yours,

SILTRONIC COPRORATION

Thomas C. McCue
Environmental Manager

Cc;
2004 Air Report file
2005 Correspondence file

Wacker Siltronic Corporation
Annual Report for 2004
ACDP No. 26-3002

13a. Quantity of natural gas and diesel oil burned on an annual basis, and resulting criteria pollutant annual emissions:

Natural gas burned: 168.28 million cubic feet

Diesel burned: 624 gallons

Resulting criteria pollutant annual emissions:

Particulate	0.26 tons
CO	3.01 tons
NOx	12.07 tons
SOx	0.08 tons
VOC	0.50 tons

13b. Annual wafer manufacturing NOx emissions:

NOx	7.68 tons

13c. The amount of VOCs emitted on an annual basis:

VOCs	13.31 tons

(includes VOCs from fuel burning and unrecovered VOCs from chemicals used)

13d. The amount of VOC cleaning solvent emitted each month:

January	0.81 tons
February	1.29 tons
March	0.64 tons
April	1.15 tons
May	0.76 tons
June	0.98 tons
July	0.41 tons
August	0.64 tons
September	0.78 tons
October	1.18 tons
November	0.26 tons
December	0.77 tons

Wacker Siltronic Corporation
Annual Report for 2004
ACDP No. 26-3002

13e. The amount of VOC used and amount of VOC waste collected on annual basis:

VOC used	18.35 tons
VOC waste collected	5.53 tons

13f. Emergency diesel generator total hours of operation:

47.5 hours

13g. Log of all planned and unplanned excess emissions in accordance with OAR 340-28-1440:

None.

13h. List all major maintenance performed on air pollution equipment:

7/19/04 Installed new flow sensor on NOx scrubber
8/9/04 Installed new NOx analyzer on NOx scrubber
12/21/04 Installed new mist eliminators in Fab 1 acid fume scrubber

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 002.JWC

2005-January-12

December 2005 Industrial Discharge Report

Dear Mr. Dean,

Enclosed is the December 2005 Industrial Discharge Report for Siltronic Corporation Municipal Discharge permit 469-01. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR
Quarterly Report
Special Account Meter Report Document

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: January 15TH ,2005

SAMPLING PERIOD: October – December 2004

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	GRAB

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
pH	SM-4508H	SU	0.1	5.0 - 11.5	N/A	No Excursions
TTOs (Volatiles)	EPA 8260	<0.01 mg/L	0.005	1.37 mg/L	N/A	SEE CERTIFICATION STATEMENT BELOW

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	COMPOSITE

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
Arsenic (Total)	EPA 200.8	<0.0025 mg/L	0.0025	0.2 mg/L	0.83 mg/L	
Total Suspended Solids	EPA 160.8	82 mg/L	0.1	N/A	N/A	

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to the control authority.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Claxton Date: 1/12/05

SCOEPA00024430

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: January 15TH 2005

SAMPLING PERIOD: December 2004

For Industrial Source Control Division Use Only

Date Postmarked/Received: Date Entered

Entered By:

Comments:

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Gfoxboro	861	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No Excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J. Clayton Date: 1/12/05

Document1

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 12.2.04 Oven Temp: 105 C Analyst: DI

Date In: 12.2.04 Time In/Out: 10:45 / 1430

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0845	0.0875	
	CE FAB-1				
	CE FAB-1				
				Average CE FAB-1 TSS	
2	CE FAB-2	500	0.0892	0.0885	1.4
3	CE FAB-2	500	0.0901	0.0893	1.6
				Average CE FAB-2 TSS	1.5
4	OWW	100	0.1009	0.0871	138
5	OWW	100	0.1058	0.0903	155
				Average OWW TSS	146.5
				Average TSS	

Comments: _____

_____

_____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 06 Mar 2004 Revised

N:ENVIRONMENTAL\FACLAB\WWTP\BENCH\TSSB.DOC

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 12-9-04 Oven Temp: 104 C Analyst: DI

Date In: 12-9-04 Time In/Out: 1100 / 1400

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0877	0.0877	
	CE FAB-1				
	CE FAB-1				
				Average CE FAB-1 TSS	
2	CE FAB-2	500	0.0921	0.0908	2.6
3	CE FAB-2	500	0.0901	0.0887	2.8
				Average CE FAB-2 TSS	2.7
4	OWW	100	0.0931	0.0893	38
5	OWW	100	0.0931	0.0889	42
				Average OWW TSS	40
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 06 Mar 2004 Revised

N:ENVIRONMENTAL\FACLAB\WWTP\BENCH\TSSB.DOC

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 12-16-04 Oven Temp: 104 C Analyst: DI

Date In: 12-16-04 Time In/Out: 1000 / 1400

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0876	0.0876	0
	CE FAB-1				
	CE FAB-1				
				Average CE FAB-1 TSS	
2	CE FAB-2	500	0.0879	0.0876	0.6
3	CE FAB-2	500	0.08900	0.0895	1.0
				Average CE FAB-2 TSS	0.8
4	OWW	100	0.0986	0.0891	95
5	OWW	100	0.0992	0.0894	98
				Average OWW TSS	96.5
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 06 Mar 2004 Revised

N:ENVIRONMENTAL\FACLAB\WWTP\BENCH\TSSB.DOC

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 12·30·04 Oven Temp: 104 C Analyst: DI

Date In: 12·30·04 Time In/Out: 1000 / 1400

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0876	0.0876	
	CE FAB-1				
	CE FAB-1				
				Average CE FAB-1 TSS	
2	CE FAB-2	500	0.0898	0.0892	1.2
3	CE FAB-2	500	0.0884	0.0878	1.2
				Average CE FAB-2 TSS	1.2
4	OWW	100	0.0917	0.0872	45
5	OWW	100	0.0923	0.0876	47
				Average OWW TSS	46
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 06 Mar 2004 Revised

N:ENVIRONMENTAL\FACLAB\WWTP\BENCH\TSSB.DOC

SCOEPA00024435

LAP 100028

Report Date: January 12, 2005
Job Number: A41202BI
PO Number: 4500075102
Project No: 121 - 124
Project Name: Monthly
Amended Report

Tom Rothschild
Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676

Analytical Narrative

The sample was received on 12/02/04 by Coffey Laboratories, Inc. (CLI) Sample Reception personnel under strict chain of custody protocol. The following information was provided at the time of sample reception:

Laboratory Sample ID	Field Identification	Matrix	Collection Date	Collection Time
A41202BI-1	04-121-CE-C	Waste Water	12/02/04	0720
A41202BI-2	04-122-CE-g	Waste Water	12/02/04	0720
A41202BI-3	04-123-OWW-C	Waste Water	12/02/04	0720
A41202BI-4	04-124-OWW-g	Waste Water	12/02/04	0720

Note: This report has been amended to convert the units of VOC results into mg/L.
The recommended holding time for each batch of analyses was in accordance with the data quality objectives as specified in the CLI Quality Assurance Plan unless otherwise noted.

Acceptable precision and accuracy were achieved for all analyses associated with this work order as demonstrated by the recoveries of the quality control samples analyzed concurrently with each batch.

The data submitted in this report is for the sole and exclusive use of the above-named client. All samples associated with the work order will be retained a maximum of 15 days from the report date or until the maximum holding time expires. All results pertain only to samples submitted.

Thank you for allowing Coffey Laboratories to be of service to you. If you have questions or need further assistance, please do not hesitate to call our Customer Services Department.

Sincerely,

Technical Services

TS /atc

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00024436

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A41202BI

Lab Sample ID: A41202BI-3
Field ID: 04-123-OWW-C
Date/Time: 12/02/04 0720
Matrix: Waste Water

EPA Category: Inorganic Chemicals

Parameter	Method	Detection Limit	Analytical Result	Units	Analysis Date	Analyst
Arsenic	EPA 200.8	0.003	ND	mg/L	12/10/04	CV

ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Jan 12 05 10:39a p.9

LAP 100028

Analytical Data

Siltronic Corporation

Job Number: A41202BI
Page Number: 9 of 12

Lab Sample ID: A41202BI-4
Field ID: 04-124-OWW-g
Date/Time: 12/02/04 0720
Matrix: Waste Water

EPA Category: Volatile Organic Chemicals
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 12/03/04
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
Acetone	0.015	ND	0.550
Benzene	0.005	ND	ND
Bromobenzene	0.005	ND	ND
Bromochloromethane	0.005	ND	ND
Bromodichloromethane	0.005	ND	ND
Bromoform	0.005	ND	ND
Bromomethane	0.005	ND	ND
2-Butanone (MEK)	0.005	ND	ND
n-Butylbenzene	0.005	ND	ND
sec-Butylbenzene	0.005	ND	ND
tert-Butylbenzene	0.005	ND	ND
Carbon Disulfide	0.005	ND	ND
Carbon tetrachloride	0.005	ND	ND
Chlorobenzene	0.005	ND	ND
Chloroethane	0.005	ND	ND
Chloroform	0.005	ND	ND
Chloromethane	0.005	ND	ND
2-Chlorotoluene	0.005	ND	ND
4-Chlorotoluene	0.005	ND	ND
1,2-Dibromo-3-chloropropane	0.005	ND	ND
Dibromochloromethane	0.005	ND	ND
1,2-Dibromoethane	0.005	ND	ND
Dibromomethane	0.005	ND	ND
1,2-Dichlorobenzene	0.005	ND	ND
1,3-Dichlorobenzene	0.005	ND	ND
1,4-Dichlorobenzene	0.005	ND	ND
Dichlorodifluoromethane	0.005	ND	ND
1,1-Dichloroethane	0.005	ND	ND
1,2-Dichloroethane	0.005	ND	ND
1,1-Dichloroethene	0.005	ND	ND

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Jan 12 05 10:39a p.10

SCOEPA00024438

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A41202BI
Page Number: 10 of 12

Lab Sample ID: A41202BI-4
Field ID: 04-124-OWW-g
Date/Time: 12/02/04 0720
Matrix: Waste Water

EPA Category: Volatile Organic Chemicals
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 12/03/04
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
cis-1,2-Dichloroethene	0.005	ND	ND
trans-1,2-Dichloroethene	0.005	ND	ND
1,2-Dichloropropane	0.005	ND	ND
1,3-Dichloropropane	0.005	ND	ND
2,2-Dichloropropane	0.005	ND	ND
1,1-Dichloropropene	0.005	ND	ND
cis-1,3-Dichloropropene	0.005	ND	ND
trans-1,3-Dichloropropene	0.005	ND	ND
Ethylbenzene	0.005	ND	ND
Hexachlorobutadiene	0.005	ND	ND
2-Hexanone	0.005	ND	ND
Iodomethane	0.005	ND	ND
Isopropylbenzene	0.005	ND	ND
4-Isopropyltoluene	0.005	ND	ND
4-Methyl-2-pentanone	0.005	ND	ND
Methylene chloride	0.005	ND	ND
Naphthalene	0.005	ND	ND
n-Propylbenzene	0.005	ND	ND
Styrene	0.005	ND	ND
1,1,1,2-Tetrachloroethane	0.005	ND	ND
1,1,2,2-Tetrachloroethane	0.005	ND	ND
Tetrachloroethene	0.005	ND	ND
Toluene	0.005	ND	0.007
1,2,3-Trichlorobenzene	0.005	ND	ND
1,2,4-Trichlorobenzene	0.005	ND	ND
1,1,1-Trichloroethane	0.005	ND	ND
1,1,2-Trichloroethane	0.005	ND	ND
Trichloroethene	0.005	ND	ND
Trichlorofluoromethane	0.005	ND	ND
1,2,3-Trichloropropane	0.005	ND	ND

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Jan 12 05 10:39a p.11

LAP 100028

Analytical Data

Siltronic Corporation

Job Number: A41202BI
Page Number: 11 of 12

Lab Sample ID: A41202BI-4
Field ID: 04-124-OWW-g
Date/Time: 12/02/04 0720
Matrix: Waste Water

EPA Category: Volatile Organic Chemicals
Analysis Performed: EPA 8260; Volatile Organics by GC/MS.
Analysis Date: 12/03/04
Analyst: AB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
1,2,4-Trimethylbenzene	0.005	ND	ND
1,3,5-Trimethylbenzene	0.005	ND	ND
Vinyl acetate	0.005	ND	ND
Vinyl chloride	0.005	ND	ND
m,p-Xylene	0.01	ND	ND
[illegible]ylene	0.005	ND	ND
[illegible]l Xylenes	0.01	ND	ND
Dibromofluoromethane (Surr.)	---	---	87.%
1,2-Dichloroethane-d4 (Surr.)	---	---	87.%
Toluene-d8 (Surr.)	---	---	79.%
4-Bromofluorobenzene (Surr.)	---	---	94.%

Results expressed as mg/L unless otherwise noted.
ND means none detected at or above the detection limit listed.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Jan 12 05 10:40a p.12

ORELAP 100028

Analytical Data

Siltronic Corporation

Job Number: A41202BI
Page Number: 12 of 12

Lab Sample ID: A41202BI-4
Field ID: 04-124-OWW-g
Date/Time: 12/02/04 0720
Matrix: Waste Water

EPA Category: Extractable Organics
Analysis Performed: CLISolventScan; Solvent Scan.
Analysis Date: 12/08/04
Analyst: JB

Parameter	Detection Limit	Laboratory Blank	Analytical Result
*Isopropanol	1.	ND	2.

Results expressed as mg/l unless otherwise noted.
* The analysis is not covered under ORELAP scope of accreditation.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

SCOEPA00024441

COFFEY LABORATORIES, INC.
CHAIN OF CUSTODY AGREEMENT

CENTRAL OREGON BRANCH
827 SW 7th
Redmond, OR 97756
PHONE/FAX (541) 548-0972

CORPORATE HEADQUARTERS
12423 NE Whitaker Way
Portland, OR 97230
(503) 254-1794 FAX: (503) 254-1452

EASTERN OREGON BRANCH
419 SW 5th
Pendleton, OR 97801
PHONE/FAX (541) 276-0385

Report Attention: Tom Rothschild
Company Name: Siltronic
Mailing Address: 7200 N W Front Ave
Portland, Oregon
Phone: (503) 219-7274 FAX: (503) 417-4141

Report Instructions (Special - Additional- Job Specific):

PO Number: 4500075102
Project Number: 121 ~ 124
Project Name: Monthly
EPA Protocol Containers: Y/N Other:

Sample Turnaround
- [x] Standard
- [ ] Priority (Additonal Fee)
- [ ] Rush (Additional Fee)
- [ ] Emergency (Additional Fee)

Initials: DI

Reporting Request
- [ ] State Compliance Format
- [x] FAX Results - Preliminary
- [ ] FAX Results-Final
- [ ] Verbals Results
- [ ] Extra Report Copy (Fees Associated)

FOR LABORATORY USE ONLY

Sample ID	Lab ID	Collection Date	Collection Time	Media	Analysis Requested	Matrix Profile
04-121-CE-C		12.2.04	0720		BOD, Cr(T)	
04-122-CE-G		12.2.04	0720		8260, 8270 1-2 Diphenylhydrazine	
04-123-OWW-C		12.2.04	0720		Total As	
04-124-OWW-G		12.2.04	0720		8260, IPA	

Sampled By: Dianne Irish
AUTHORIZED CUSTOMER SIGNATURE: Dianne Irish DATE: 12-2-04

Sample Comments	Relinquished by: (Please Sign)	Date	Time	Received by: (Sign)	Date	Time
	Dianne Irish	12.2.04	1040	Kate Williams	12-2-04	1040

White Copy-Laboratory Yellow Copy - Customer

COMPLETE THIS FORM PER INSTRUCTIONS ON REVERSE SIDE

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO CLI WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THE CLIENT COPY.

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

12/31/2004

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	876,851	(100s of GALLONS)
CURRENT READING	109367	46,550	(100s of GALLONS)
CONSUMPTION	0	169,699	(100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,696,990	(10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,696,990	* 10 GAL / 7.48 GAL/CF =	2,268,703	CF
TOTAL THROUGH OVERFLOW LI	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,268,703	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	960,697	(10s of GALLONS)
CURRENT READING	1,004,742	(10s of GALLONS)
CONSUMPTION	44,045	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	44,045	* 10 GAL / 7.48 GAL/CF=	58,884	CF

This meter reading was reported by: C. Justin Darr on 1-7-05
C. Justin Darr — date

Sent to: Buereau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
Portland, Oregon 97203-5452

SCOEPA00024443

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2004	12	1	TO	2004	12	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Process Waste Water Flow	SAMPLE MEASUREMENT	3,327	3,937	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--			totalizing recorder	
BOD	SAMPLE MEASUREMENT	11.3	16.2	Kg/day	--	3.5	5.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	5.1	9.2	Kg/day	--	1.6	2.7	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l		Batch	
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	Kg/day	--	<0.001	<0.001	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	21.9	26.4	Kg/day	--	6.7	7.6	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
J Clayton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 05 MO 1 DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

ER001

Chrome batches are no longer being treated on site. Ph Excursion: Total of 20.33 mins. Lowest pH: 3.34, longest excursion: 15 min

SCOEPA00024444

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2004	12	1	TO	2004	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					3.6	6.6	NTC		6/1	Grab
	PERMIT REQUIREMENT									Can sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years).

Siltronic Corp. by:

J. Claxton

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	05	1	12
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024445

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2004	12	1	TO	2004	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	QUALITY OR CONCENTRATION (46-53) AVERAGE	QUALITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX (62-65)	FREQUENCY OF ANALYSIS (66-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	444	1,635	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 per violation, imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:

J Claxton

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 1 | DAY 10

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024446

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 003

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	Day (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2004	12	1	TO	2004	12	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-65)	FREQUENCY OF ANALYSIS (66-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,771	5,016	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	74.9	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	3.34	7.33	8.55			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
J. Claston
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 05 | MO 1 | DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024447

siltronic
perfect silicon solutions

Tom McCue
Environmental Affairs

Siltronic Corporation
7200 NW Front Avenue, MS 30
Portland OR 97210-3676, USA
Tel. 503-219-7532
Fax 503-219-7599
Tom.mccue@siltronic.com

December 18, 2006

ENV:082TM
Electronic Submittal

Mr. Brian Laurent
Industrial Pretreatment Section
Industrial Source Control Division
City of Portland
Environmental Services
6543 N. Burlington Avenue, Room 217
Portland, OR 97203

RE: Bypass to City Treatment System Dec. 13, 2006

Dear Mr. Laurent;

A bypass condition occurred on December 13, 2006 resulting in the overflow of wastewater to the City operated Columbia Boulevard Wastewater Treatment Plant. Once discovered, the CBWTP Duty Officer was notified and manual grab samples for pH were taken every 15 minutes during the incident. Five grab samples were also taken and retained for further analysis. All permit parameters were in compliance.

The incident occurred at approximately 1AM, December 13, 2006 and lasted until approximately 7AM that morning. The treatment plant crew began operations to treat accumulated stormwater collected within the wastewater treatment containment system by remote activation of a diversion pump that would direct stormwater into the treatment system. This operation ended at 1AM and the diversion pump switch was restored to the normal OFF position. Unfortunately, a nearby switch that controls a shared flow valve was also switched to the OFF position by mistake. The effect was to close the control valve directing Organic wastewater (OWW) from the Fab 1 operation to the wastewater treatment plant causing an overflow of the OWW system to the City.

At 1:30AM operations were normal. At 4 AM, operator, Fillippe Serna noticed a high level condition indication for the Fab 1 forwarding sump and began an investigation of the cause. With the help of a second operator, Jim Long, the forwarding sump and pumps were inspected. The lead pump was running and the sump was in overflow condition. The standby pump was activated and pH sampling at 15 minute intervals was started. It was suspected that sediment had accumulated in the bottom of the sump blocking the pump intake. After attempts to clear the pump failed a vacuum service was called in on an emergency basis and WWTP Supervisor Justin Darr was called in for advice and assistance.

At 5:45AM, Emergency Environmental Coordinator Myron Burr and at 6AM Environmental Manager Tom McCue were contacted by phone and notification was made to the CBWTP Duty Officer. Officer John Holtrip returned the call and requested collection of grab samples for analysis of pH, and TSS. Five grab samples were taken, one each hour. Officer Holtrip also requested that the volume of bypassed water be estimated.

siltronic
perfect silicon solutions

When Supervisor Darr arrived on site at 6AM the forwarding sump pump was examined and found not to be cavitating from a blocked inlet but suspected of having a block outlet. Investigation continued and the combined efforts of the WWTP team found a shared flow valve closed at the WWTP. This valve prevented wastewater from Fab 1 from reaching the WWTP. Wastewater from Fab 2 was unaffected. The shared flow valve switch was restored to normal operation position and the overflow stopped by 7AM. The switch is located on the control panel next to the diversion pump switch used to transfer stormwater into the treatment system.

The bypass condition resulted in the discharge of up to 72,000 gallons of wastewater to CBWTP

Based on your guidance, each of the five grab samples were measured for pH. The remaining sample volumes were combined into a composite sample and analyzed for TSS, TDS, and Fluoride. Analysis of the five grab samples and the composite sample were as follows.

Sample 1: 400AM pH 10.2
Sample 2: 415AM pH 10.0
Sample 3: 430AM pH 10.0
Sample 4: 500AM pH 10.1
Sample 5: 600AM pH 10.0

Composite sample results: TSS: 122 ppm; TDS: 250 ppm, F: 0.89 ppm

The incident was reported as a slug discharge to the CBWTP. All analysis was in compliance with the discharge imitations of the permit. Permit limits for the OWW wastewater are pH are 5.0-11.5 and past average OWW analysis were TSS: 128 ppm and Fluoride: 1.3 ppm. Total Dissolved Solids are not typically analyzed for and no data was located.

Steps taken to prevent a recurrence of this condition include a work order to install small covers over the shared flow switches in the WWTP control panel to minimize the possibility of one of the switches being turned off inadvertently in the future. Secondly, all personnel involved in the incident have been debriefed and the incident will be discussed in morning shift change meetings over several shifts to increase awareness of the potential problem and how to correct it. If you have any questions about this bypass incident please contact me at 503 219-7532.

Respectfully,

Tom McCue,
Manager, Environmental Affairs

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	11	1	TO	2006	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(5 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,467	4,308	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	16.2	23.3	Kg/day	--	4.6	7.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	7.8	11.1	Kg/day	--	2.2	3.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	Kg/day	--	<0.001	<0.001	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	27.9	31.0	Kg/day	--	7.9	9.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.3	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years.

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 12 DAY 12

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

(1) Chrome batches are no longer being treated on site. pH Excursion: 11/8/06, 5.75 for 9 mins.

SCOEPA00024450

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	11	1	TO	2006	11	30

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.02	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					0.9	2.1	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 24 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 per violation, imprisonment of between 6 months and 5 years).

Siltronic Corp by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 12 | DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024451

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: 101128

(17-18) DISCHARGE NUMBER: Outfall 002

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	11	1	TO	2006	11	30
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	221	560	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.7	1.1	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 12 | DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024452

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	11	1	TO	2006	11	30

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Outfall flow	SAMPLE MEASUREMENT	3,681	4,456	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	77.8	°F		1/7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	5.75	7.53	8.33			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 12 DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024453

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

Brian Laurent
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 079.KLL

December 12, 2006

November 2006 Industrial Discharge Report

Dear Mr. Laurent,

Enclosed is the November 2006 monthly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosures:
Special Account Meter Report Document
Industrial Wastewater Discharge Self-Monitoring Report

cc: Tom Rothschild
POTW-IDR File

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

November-06

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	423,901	100s of GALLONS)
CURRENT READING	109367	607,727	100s of GALLONS)
CONSUMPTION	0	183,826	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,838,260		(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,838,260	* 10 GAL / 7.48 GAL/CF =	2,457,567 CF
TOTAL THROUGH OVERFL(	0	* 10 GAL / 7.48 GAL/CF =	0 CF
TOTAL CONSUMPTION			2,457,567 CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	2,179,339	(10s of GALLONS)
CURRENT READING	2,251,889	(10s of GALLONS)
CONSUMPTION	72,550	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	72,550	* 10 GAL / 7.48 GAL/CF=	96,992 CF

This meter reading was reported by: C. Justin Darr on 12/10/06
date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Brian Laurent
Portland, Oregon 97203-5452

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 December 2006

SAMPLING PERIOD: November 2006

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE		pH METER BRAND			pH METER MODEL		pH Discharge Limits
#1B (Fab 2)		Orion			720A		5.0 - 11.5 S.U.
Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration		COMMENTS
					Date	Buffer used	
2 Nov 2006	0625	10.2SU	YES	NO	2 Nov 2006	7.0 and 10.0	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND		pH METER MODEL		pH Limit		
#1B (Fab 2)	Foxboro		823		5.0 - 11.5 S.U.		
DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)		VIOLATION? (circle one)		COMMENTS
November 2006		No Excursions			YES	NO	
					YES	NO	
					YES	NO	
					YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Gail for Siltronic Date: 12/12/06

N:\Environmental\FACLAB\WWTP\BES Monthly Reports\Monthly\November 2006.doc

SCOEPA00024456

siltronic
perfect silicon solutions

Tom McCue
Environmental Affairs

Siltronic Corporation
7200 NW Front Avenue, MS 30
Portland OR 97210-3676, USA
Tel. 503-219-7532
Fax 503-219-7599
Tom.mccue@siltronic.com

November 20, 2006
ENV:075

Corrected Copy

Mr. Jay Collins
Northwest Regional Hazardous Waste Office
Oregon Department of Environmental Quality
2020 SW Fourth Avenue, Suite 400
Portland, OR 97201

Delivered via: Email

Dear Mr. Collins:

As I verbally reported to you on Nov 13, 2006, Siltronic recently discovered that certain used equipment it had arranged to be recycled as scrap metal through the services of a scrap metal broker and local scrap hauler may have been mishandled. The used equipment consisted of miscellaneous piping, and two carbon adsorption filters that were used to treat storage tank vent emissions that were part of a wastewater treatment system designed to remove trace amounts of chlorinated and volatile organic solvents.

It is the potential disposal of the carbon in one of the two carbon units that is the subject of this report. The carbon filters also contained asbestos gasket material that also may have been mishandled. Regarding the latter issue and at your request, Siltronic notified Mr. Kevin McCrann, of Oregon DEQ's Gresham Office, of the potential mismanagement of the asbestos gasket materials and filed a report of this incident by email to Mr. McCrann on November 17, 2006 that details the steps Siltronic took to ensure that the asbestos materials would be managed properly.

We began planning for the removal of this equipment in 2004 and had worked with the DEQ to identify concerns and addressed them prior to taking action. The project was placed on hold for a while, and was restarted in good faith, but without my personal knowledge. When I became aware that the project had begun again, I investigated the matter with the expectation that all of DEQ's previous recommendations had been followed. As I reported to you on November 13, however, I discovered and now have reason to believe that not all the recommendations were followed. The basic facts are described below as you requested. In addition, I have included our waste determination based on my understanding the historical uses of the equipment and an analysis of the carbon materials that we discussed on the phone.

History of the Equipment

The carbon units and the wastewater stripper equipment were installed in 1979 and started up in early 1980. Production processes that used TCE were phased out beginning in 1984 and were completely gone by 1989. Starting in approximately 1985, an epoxy tab-removal process that used TCE solvent was re-engineered to use a different epoxy which allowed the process to be converted to potassium hydroxide, surfactant, and hot water that eliminated a significant use of TCE. In 1987 a water-based wax consisting primar-

ily of IPA and a natural resin was introduced that eliminated the major use of TCE. By 1989 TCE was removed from Plate Preparation and the last process using TCE was eliminated.

To prepare the system after the use of TCE was eliminated with the plant, the TCE delivery and return piping systems were flushed and processed through the stripper column. The recovered TCE was recycled off-site. The stripper and carbon adsorption units continued to operate for other materials through the early 1990s, until all manufacturing uses of chlorinated solvents and CFCs were eliminated. CFCs were used until 1991 in the last step of a water-based wafer cleaning operation. The use of CFCs was eliminated by re-engineering the wafer cleaning process to dewater wafers using spin dryers in place of CFCs to prevent water spotting of the product. After this change, the use of all chlorinated solvents had been eliminated from the manufacturing process. The wastewater stripper equipment was then decommissioned and opened to the atmosphere, until it was recently disassembled and prepared for recycle.

Waste Determination

Several waste streams were created from the use of TCE during the 1980s. An extensive list is provided here to assist in the waste determination of the carbon in the carbon adsorption filters. Although none of these waste streams were treated by the carbon adsorption units, it is critical to understand how these waste streams were created and treated to properly classify the carbon material at issue in this matter. Siltronic concludes the subject carbon is a solid waste and potentially hazardous due the characteristic of toxicity due to the presence or absence of TCE (D-040).

Waste Wax

From 1980 until 1984, the wafer making process required the use of a solvent based wax to mount the wafers onto plates for the polishing process (Wax Mounting). TCE was used as an ingredient in the wax. Waste wax did not go through the steam stripper. Waste wax was sent offsite for recycle. No residual waste wax remained in the system after 1984, which is when TCE use in this process was discontinued and the piping system was flushed from the process tool through the steam stripper. Equipment disassembly occurred inside a secondary containment system and no free liquids were observed. Storm water from the secondary containment system was analyzed and found to be non-detect for TCE and all other VOC compounds found on the EPA 8260 list.

TCE Waste

TCE was also used to dissolve the wax off the polishing plates to return them back to the process (Plate Preparation). TCE from plate preparation was recycled and returned to the process for reuse. TCE was also used to dissolve an epoxy in a tab removal step after slicing and before the polishing step (Tab Removal). The TCE from the tab removal process was recycled and returned back to the process.

Wastewater

Wastewater was created in an intermediate plate cleaning step after wax mounting where residual excess wax needed to be removed before the polishing step could begin. The process of the residual wax removal is no longer known. A Steam Stripper was used to treat the wastewater created from the plate cleaning step. The stripper equipment treated wastewater containing trace amounts of organic solvent that remained in the wax that was removed during the cleaning step (typically >100mg/L) of Trichloroethene (TCE). Recovered TCE and wax residue was collected in a waste TCE tank and sent off site for recycle or as a hazardous waste still bottom. Treated wastewater was released to a POTW in compliance with a NPDES pre-treatment permit.

VOC Emission Control by Carbon Adsorption

All of the above wastes were collected in tanks prior to recycle or treatment. Carbon adsorption units were used for one purpose - to capture VOC emissions from vents from the collection and storage tanks including the Fresh TCE storage tank, TCE recovery tank, TCE contaminated wastewater tank, and the vent from a two phase liquid separation vessel after the steam stripper. The carbon units were only used to capture volatile organic emissions in the vapor phase above a liquid storage tank. No liquids were processed through the carbon adsorption units. It is the waste characterization of the carbon from inside these units that is the reason for this report.

The carbon adsorption units were designed to capture vent emissions only; one was always in use, while the other would be in standby mode. Periodically, the on-line carbon unit would be switched off-line for regeneration by steam. During that time, the 'backup' unit would be in use. Condensate from the steam regeneration was drained to a separator where a two phase liquid was created and separated into recovered TCE and treated wastewater.

Incident description and Investigation

At the beginning of the month we started a wall-to-wall audit of all facilities in preparation for an ISO 14001 re-certification audit. Monday November 6, I became aware of the restart of the project to remove the old stripper equipment. Because I was not personally aware at that time that arrangements for the recycle had been implemented, I inquired about the arrangements. Specifically, I wanted to make certain that the proper precautions had been taken by all concerned. I found that one of the two carbon units had been picked up for recycle on or about November 2, 2006. The other carbon unit had not been picked up, and remains on-site with all carbon and gasket material intact. That remaining unit has been cut with a gas torch to reduce its size and is currently secured inside a drop box lined with plastic sheeting awaiting disposition. All carbon in the remaining unit has been removed and placed in steel drums and labeled Hazardous Waste awaiting analysis. All gasket edges on that unit have been taped and other appropriate precautions have been implemented. See pictures below. As a result of this normal follow-up, I determined the following:

- The carbon unit that had already been picked up by the hauler contained carbon and was appropriately labeled as containing asbestos.

- Siltronic's Health and Safety Department had required that the hauler, Van's Towing, be specifically notified that the used equipment contained asbestos and that the hauler assure Siltronic by letter that the asbestos would be managed according to all rules and regulations. An email providing notification of the

asbestos, the management requirements and the request for a letter had been sent to the contact identified by the hauler prior to commencing work (Demolition Metals). The same email was returned to Siltronic with a signature (see attached file).

- Carbon remained in the unit that was removed for scrap.
- The scrap metal was delivered to Metro Metals for recycling.
- Siltronic Facilities Department contacted Metro Metals on the afternoon of Nov. 6 to ask them to locate for me the carbon unit that had been transported to its facility. In light of a reply that was not satisfactory, I sent a Siltronic team to the scrap yard in an attempt to find the carbon unit and recover it.
- The Siltronic team of John Johnsen and Justin Darr arrived at Metro Metals and interviewed the yard foreman. He remembered receiving the carbon unit for processing, but could not locate it in the yard or declare its status. The assumption was that it had been processed into scrap.
- I subsequently sent a second team over to Metro Metals to ask about how the asbestos containing material (gaskets) had been managed during the recycling process and to determine what happened to the carbon contained in the unit.
- Yard personnel reported that they saw no asbestos labels on the scrap material and did not recall seeing any carbon material in the unit. The yard foreman stated that if asbestos labels had been observed the load would not have been accepted or it would have been segregated for special handling.
- I subsequently called and spoke to Steve Zusman, VP Operations of Metro Metals, and Mister Zusman interviewed the Ferrous Scrap Foreman and the Shear Operator who would have unloaded the scrap when it came in.
- All persons interviewed remembered seeing the carbon units.
- All persons verified that there were no asbestos labels visible on the unit when it arrived at the yard.
- The Shear Operator remembered seeing a black material fall out of the carbon unit when it was sheared.
- I found no reason to not believe the responses provided by Metro Metals ' personnel. They process 1,000-2,000 Tons of scrap metal per day and were very helpful during my investigation answering all my questions. They took extra steps to identify and interview other employees who may have had additional information.

We sampled the carbon from the second unit still at Siltronic and stormwater from the secondary containment unit where the equipment was disassembled and removed on Monday Nov. 6. We sampled gasket and insulation materials from the remaining carbon unit on Tuesday or Wednesday, Nov. 7 or Nov. 8, after we completed the interviews, above, and determined that the subject unit could not be located or its fate conclusively established.

siltronic
perfect silicon solutions

Results

Carbon tested 0.04 mg/L TCE by TCLP compared to a D040 limit of 0.5 mg/L. Total TCE contained in the carbon was 10 mg/kg TCE. The insulation consisted of three types: black closed cell foam rubber; fiberglass pipe lagging; and asbestos gasket material containing 50-55% cryotile. Analysis attached.

I conducted additional interviews and attempted to talk to anyone at the scrap yard that may have seen the equipment in question. At least two people, the shear operator and the Ferrous Scrap Foreman at the scrap yard, remember seeing the carbon unit. They recall that when the carbon adsorption unit was taken off the truck it was immediately sheared into smaller pieces and sent to the ferrous area to be dispositioned. The shear operator did see some black material come out of the equipment when it was sheared, likely the carbon. At this point, they could not declare with certainty whether the sheared scrap was used to directly fill an order or it was sent to a shredder for further size reduction. In any case, it appears from my interviews that the scrap was processed immediately and is no longer in the yard.

Conclusions

The carbon is NOT a Hazardous Waste based on the process waste determination and the TCLP analysis. The carbon adsorption unit was used to treat vent emissions from collection and storage tanks containing TCE or TCE containing wastes. Since none of the wastes were processed through the carbon absorption units, my conclusion is that the carbon units did not process or come into contact with a listed waste. Since the associated piping and tanks units were completely flushed before decommissioning, the last two years of operation of the carbon units did not see any vent emissions containing TCE. Since decommissioning, the system has been open to atmosphere for 15 years and analysis of storm water within the secondary containment area where the equipment was disassembled was non-detect for TCE and all other method 8260 analytes.

If you have questions please do not hesitate to contact me at 503 219-7532. The remaining carbon absorption unit remains on site and contained.

Respectfully,

Siltronic Corporation

Thomas C. McCue
Manager, Environmental Affairs

PERMITTEE NAME/ADDRESS (Include Facility Name/Location, if different)

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-18)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	10	1	TO	2006	10	31
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,301	4,013	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	21.3	25.9	Kg/day	--	6.1	7.5	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	11.9	13.2	Kg/day	--	3.4	3.9	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	Kg/day	--	<0.001	<0.001	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	20.9	25.5	Kg/day	--	5.9	6.9	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.4	0.8	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC 1001 AND 33 USC 1319.

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 11 DAY 6

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

(1) Chrome batches are no longer being treated on site. pH Excursion: NONE

ER/0154

SCOEPA00024462

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2006	10	1	TO	2006	10	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-65)	FREQUENCY OF ANALYSIS (66-69)	SAMPLE TYPE (70-71)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.024 ✓	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					1.4 ✓	4.3 ✓	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 11 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024463

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 002

MONITORING PERIOD

	YEAR (30-31)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2006	10	1	TO	2006	10	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-71)
MV-3 Flow	SAMPLE MEASUREMENT	228	545	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.7	1.0	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to $10000 and imprisonment for between 6 months and 3 years)

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 11 DAY 6

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024464

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	10	1	TO	2006	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(5 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-71)
Outfall flow	SAMPLE MEASUREMENT	3,529	4,164	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	79.5	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.17	7.04	7.95			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 per violation, imprisonment of between 6 months and 3 years).

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 11 DAY 6

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024465

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

ER: 072.KLL

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

November 9, 2006

October 2006 Industrial Discharge Report

Dear Mr. Dean,

Enclosed are the October 2006 monthly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosures:
Special Account Meter Report Document
Industrial Wastewater Discharge Self-Monitoring Report

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 November 2006

SAMPLING PERIOD: October 2006

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE		pH METER BRAND		pH METER MODEL		pH Discharge Limits
#1B (Fab 2)		Orion		720A		5.0 - 11.5 S.U.
Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)	pH Meter Calibration Date	pH Meter Calibration Buffer used	COMMENTS
17 Oct 2006	1300	10.4 SU	YES (NO)		7.0 and 10.0	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit		
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.		
DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)	COMMENTS
October 2006		No Excursions		YES NO	
				YES NO	
				YES NO	
				YES NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Sail for Siltronic Date: 11/7/06

N:\Environmental\FACLAB\WWTP\BES Monthly Reports\Monthly\October 2006.doc

SCOEPA00024467

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

October-06

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	211,984	100s of GALLONS)
CURRENT READING	109367	423,901	100s of GALLONS)
CONSUMPTION	0	211,917	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	2,119,170	10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	2,119,170	* 10 GAL / 7.48 GAL/CF =	2,833,115 CF
TOTAL THROUGH OVERFL(	0	* 10 GAL / 7.48 GAL/CF =	0 CF
TOTAL CONSUMPTION			2,833,115 CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	2,134,376	(10s of GALLONS)
CURRENT READING	2,179,339	(10s of GALLONS)
CONSUMPTION	44,963	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	44,963	* 10 GAL / 7.48 GAL/CF=	60,111 CF

This meter reading was reported by: C. Justin Darr on 11/4/06
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
Portland, Oregon 97203-5452

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
Koreen.lail@siltronic.com

KLL: 071

DEQ Lab
1712 SW 11th Ave.
Portland, OR 97201

ATTN: QA Chemist

November 9, 2006

Inter-Laboratory Split Comparison

To Whom it May Concern:

Enclosed are the source sample results that were taken on 10/17/2006 for the Inter-Laboratory Split Comparison. While the M8240 was listed as part of the required testing, upon conversations with Dan Hickman from DEQ, and with Brian Cone from Test America, the M8240 was changed to the M8260. Additionally, as part of our normal procedure for monthly sampling we also ran the 624 and 625 methods.

If you have any questions, please contact me.

Best regards,

Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosure:
Analytical report
Inter-laboratory split comparison form

cc: Tom Rothschild
DMR File

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY

Inter-Laboratory Split Comparison DEQ Case Number: _____

Source Name: Sitronic Corporation (USA)
Contact Person: Thomas J. Rothschild
Address: 7200 NW Front Avenue
Collected By: Dianne Irish

Sample Date: 17 Oct 2006
Phone: 503-214-7874

Region/Division: _____

Analysis ♠	FIELD MEASUREMENTS♣			SOURCE SAMPLE RESULTS					DEQ LAB RESULTS				
	Sample A	Sample B	Sample C	Sample A	Sample B	Sample C	Sample D	Date/Time Analysis set up	Sample A	Sample B	Sample C	Sample D	Date/Time Analysis set up
EPA 8260B				<0.025 mg/L									
EPA 8270C				<0.025 mg/L									
BOD				5.64 mg/L									
Chromium total				<0.001 mg/L									
TSS				2.9 mg/L									
Fluoride				6.9 mg/L									
Phosphate total				0.24 mg/L									
pH				7.5									

Sample	Sample point description ♠ (ie. Effluent comp.).	Container number	
		SOURCE	DEQ ♠
A		Combined Effluent	
B			
C			
D			

Fill in your split sample results and mail to:

DEQ Lab
1712 SW 11th Ave.
Portland, OR 97201
Attn: QA Chemist

Shaded area for DEQ use.
♣DEQ sampler enter your field measurements, if taken; indicate whether they are estimates.
♠DEQ sampler is responsible for completing this column.

Need assistance with this form? Contact the QA chemist at (503) 229-5983.

SCOEPA00024470

DEPARTMENT OF ENVIRONMENTAL QUALITY
Laboratory Division

Survey: S. Hronis
Sampling Subproject (fund code): 37423
Collected by: Elliot Zais

Sampling Event #: _____
Date Received in Lab: 12 Oct 2006
Date Reported: _____
Report Data to: Elliot Zais 229-5292

VOC

Item #	LASAR # (required)	SITE NAME lat/long (in decimal degrees)*	Nutrient Basic	DO BOD	~~Metals~~ Organics		Date Time	Temp (Deg. C)	Ph (SU)	Cond (Umhos/cm)	ELEV RM	Tests Required
1	28999	Outfall No. 1 Grab Combined effluent of WWTP	(12 drops H_2SO_4)		B4577 A+B X5545		10/11/06 0918					M 8270 M 8240 (4)
2		Outfall No. 1 24 HC combined effluent of WWTP	R2087 STF387		TM678 25 drops HNO_3		0915					BOD, SS, F, pH Total phosphate Total chrome
3												
4												
5												
6												
7												

* lat/long only required if station is new

Comments: SPLIT sample

LEGAL SAMPLE: Chain of Custody Record

Total # of containers received: _____ Initial placement in refrigerator #: _____
Relinquished by: _____ Received By: _____
Date/Time: _____ Date/Time: _____

Meter #'s: _____

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

October 31, 2006

Thomas Rothschild
Siltronic
7200 N.W. Front Ave
Portland, OR 97210

RE: Wastewater

Enclosed are the results of analyses for samples received by the laboratory on 10/17/06 17:15. The following list is a summary of the Work Orders contained in this report, generated on 10/31/06 17:16.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
PPJ0746	Wastewater	PO# 4500186654

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024472

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
06-90-CE-C	PPJ0746-01	Water	10/17/06 09:15	10/17/06 17:15
06-91-CE-g	PPJ0746-02	Water	10/17/06 09:18	10/17/06 17:15

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024473

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Total Metals per EPA 200 Series Methods

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPJ0746-01 (06-90-CE-C)		**Water**				**Sampled: 10/17/06 09:15**				
Chromium	EPA 200.8	ND	----	0.00100	mg/l	1x	6101090	10/20/06 15:43	10/28/06 03:20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024474

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Purgeables per EPA Method 624 Modified

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPJ0746-02 (06-91-CE-g)		**Water**			**Sampled: 10/17/06 09:18**					
Acrolein	EPA 624	ND	----	10.0	ug/l	1x	6100963	10/19/06 08:00	10/19/06 12:25	
Acrylonitrile	"	ND	----	6.00	"	"	"	"	"	
Benzene	"	ND	----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	----	1.00	"	"	"	"	"	
Bromoform	"	ND	----	1.00	"	"	"	"	"	
Bromomethane	"	ND	----	5.00	"	"	"	"	"	
Carbon tetrachloride	"	ND	----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	----	1.00	"	"	"	"	"	
Chloroethane	"	ND	----	5.00	"	"	"	"	"	
Chloroform	"	**1.71**	----	1.00	"	"	"	"	"	
Chloromethane	"	ND	----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	----	5.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	----	1.00	"	"	"	"	"	
Toluene	"	ND	----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	----	1.00	"	"	"	"	"	
Surrogate(s): *4-BFB*		*92.0%*		*75 - 120 %*	"				"	
1,2-DCA-d4		*106%*		*77 - 129 %*	"				"	
Dibromofluoromethane		*103%*		*80 - 121 %*	"				"	
Toluene-d8		*89.5%*		*80 - 120 %*	"				"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024475

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Acid and Base/Neutral Extractables per EPA Method 625

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPJ0746-02 (06-91-CE-g)		**Water**			**Sampled: 10/17/06 09:18**					
Acenaphthene	EPA 625	ND	----	4.76	ug/l	1x	6101087	10/20/06 16:45	10/25/06 02:20	
Acenaphthylene	"	ND	----	4.76	"	"	"	"	"	
Anthracene	"	ND	----	4.76	"	"	"	"	"	
Benzidine	"	ND	----	57.1	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	4.76	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	4.76	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	4.76	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	4.76	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	4.76	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	----	4.76	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	----	4.76	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	----	4.76	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	----	9.52	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	----	4.76	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	----	9.52	"	"	"	"	10/30/06 00:46	
2-Chloronaphthalene	"	ND	----	4.76	"	"	"	"	10/25/06 02:20	
2-Chlorophenol	"	ND	----	4.76	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	----	4.76	"	"	"	"	"	
Chrysene	"	ND	----	4.76	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	----	4.76	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	----	4.76	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	4.76	"	"	"	"	"	
1,2 Diphenylhydrazine (as Azobenzene)	"	ND	----	4.76	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	4.76	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	4.76	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	4.76	"	"	"	"	"	
3,3'-Dichlorobenzidine	"	ND	----	4.76	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	----	4.76	"	"	"	"	"	
Diethyl phthalate	"	ND	----	4.76	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	----	9.52	"	"	"	"	"	
Dimethyl phthalate	"	ND	----	4.76	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	----	9.52	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	----	23.8	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	----	4.76	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	----	4.76	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	----	9.52	"	"	"	"	"	
Fluoranthene	"	ND	----	4.76	"	"	"	"	"	
Fluorene	"	ND	----	4.76	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	4.76	"	"	"	"	"	
Hexachlorobutadiene	"	ND	----	9.52	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	----	9.52	"	"	"	"	"	
Hexachloroethane	"	ND	----	9.52	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024476

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Acid and Base/Neutral Extractables per EPA Method 625

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPJ0746-02 (06-91-CE-g)		**Water**			**Sampled: 10/17/06 09:18**					
Indeno (1,2,3-cd) pyrene	EPA 625	ND	-----	4.76	ug/l	1x	6101087	10/20/06 16:45	10/25/06 02:20	
Isophorone	"	ND	-----	4.76	"	"	"	"	"	
Naphthalene	"	ND	-----	4.76	"	"	"	"	"	
Nitrobenzene	"	ND	-----	4.76	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	4.76	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	23.8	"	"	"	"	"	
N-Nitrosodimethylamine	"	ND	-----	4.76	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	9.52	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	4.76	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	9.52	"	"	"	"	"	
Phenanthrene	"	ND	-----	4.76	"	"	"	"	"	
Phenol	"	ND	-----	4.76	"	"	"	"	"	
Pyrene	"	ND	-----	4.76	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.76	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	4.76	"	"	"	"	"	
Surrogate(s): 2-Fluorobiphenyl			*79.8%*		*20 - 120 %*	"			"	
2-Fluorophenol			*47.7%*		*10 - 120 %*	"			"	
Nitrobenzene-d5			*99.2%*		*25 - 130 %*	"			"	
Phenol-d6			*50.7%*		*10 - 120 %*	"			"	
p-Terphenyl-d14			*91.7%*		*35 - 130 %*	"			"	
2,4,6-Tribromophenol			*60.6%*		*20 - 130 %*	"			"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024477

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPJ0746-02 (06-91-CE-g)		**Water**			**Sampled: 10/17/06 09:18**					
Acetone	EPA 8260B	ND	-----	25.0	ug/l	1x	6100963	10/19/06 08:00	10/19/06 12:25	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	**1.71**	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	2.00	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024478

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPJ0746-02 (06-91-CE-g)		**Water**			**Sampled: 10/17/06 09:18**					
4-Methyl-2-pentanone	EPA 8260B	ND	-----	5.00	ug/l	1x	6100963	10/19/06 08:00	10/19/06 12:25	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): 4-BFB		*92.0%*			*80 - 120 %*	"			"	
1,2-DCA-d4		*106%*			*80 - 120 %*	"			"	
Dibromofluoromethane		*103%*			*80 - 120 %*	"			"	
Toluene-d8		*89.5%*			*80 - 120 %*	"			"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024479

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPJ0746-02 (06-91-CE-g)		**Water**			**Sampled: 10/17/06 09:18**					
1,2 Diphenylhydrazine (as Azobenzene)	EPA 8270C	ND	----	4.76	ug/l	1x	6101087	10/20/06 16:45	10/25/06 02:20	
Acenaphthene	"	ND	----	4.76	"	"	"	"	"	
Acenaphthylene	"	ND	----	4.76	"	"	"	"	"	
Anthracene	"	ND	----	4.76	"	"	"	"	"	
Benzo (a) anthracene	"	ND	----	4.76	"	"	"	"	"	
Benzo (a) pyrene	"	ND	----	4.76	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	----	4.76	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	----	4.76	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	----	4.76	"	"	"	"	"	
Benzoic Acid	"	ND	----	47.6	"	"	"	"	"	
Benzyl alcohol	"	ND	----	9.52	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	----	4.76	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	----	4.76	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	----	4.76	"	"	"	"	"	
4-Chloroaniline	"	ND	----	19.0	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	----	9.52	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	----	4.76	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	----	9.52	"	"	"	"	"	
2-Chloronaphthalene	"	ND	----	4.76	"	"	"	"	"	
2-Chlorophenol	"	ND	----	4.76	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	----	4.76	"	"	"	"	"	
Chrysene	"	ND	----	4.76	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	----	4.76	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	----	4.76	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	----	4.76	"	"	"	"	"	
Dibenzofuran	"	ND	----	4.76	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	----	4.76	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	----	4.76	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	----	4.76	"	"	"	"	"	
3,3'-Dichlorobenzidine	"	ND	----	4.76	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	----	4.76	"	"	"	"	"	
Diethyl phthalate	"	ND	----	4.76	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	----	9.52	"	"	"	"	"	
Dimethyl phthalate	"	ND	----	4.76	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	----	9.52	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	----	23.8	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	----	4.76	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	----	4.76	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	----	9.52	"	"	"	"	"	
Fluoranthene	"	ND	----	4.76	"	"	"	"	"	
Fluorene	"	ND	----	4.76	"	"	"	"	"	
Hexachlorobenzene	"	ND	----	4.76	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024480

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Semivolatile Organic Compounds per EPA Method 8270C

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPJ0746-02 (06-91-CE-g)		**Water**			**Sampled: 10/17/06 09:18**					
Hexachlorobutadiene	EPA 8270C	ND	----	9.52	ug/l	1x	6101087	10/20/06 16:45	10/25/06 02:20	
Hexachlorocyclopentadiene	"	ND	----	9.52	"	"	"	"	"	
Hexachloroethane	"	ND	----	9.52	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	"	ND	----	4.76	"	"	"	"	"	
Isophorone	"	ND	----	4.76	"	"	"	"	"	
2-Methylnaphthalene	"	ND	----	4.76	"	"	"	"	"	
2-Methylphenol	"	ND	----	9.52	"	"	"	"	"	
3-,4-Methylphenol	"	ND	----	4.76	"	"	"	"	"	
Naphthalene	"	ND	----	4.76	"	"	"	"	"	
2-Nitroaniline	"	ND	----	4.76	"	"	"	"	"	
3-Nitroaniline	"	ND	----	9.52	"	"	"	"	"	
4-Nitroaniline	"	ND	----	9.52	"	"	"	"	"	
Nitrobenzene	"	ND	----	4.76	"	"	"	"	"	
2-Nitrophenol	"	ND	----	4.76	"	"	"	"	"	
4-Nitrophenol	"	ND	----	23.8	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	----	9.52	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	----	4.76	"	"	"	"	"	
Pentachlorophenol	"	ND	----	9.52	"	"	"	"	"	
Phenanthrene	"	ND	----	4.76	"	"	"	"	"	
Phenol	"	ND	----	4.76	"	"	"	"	"	
Pyrene	"	ND	----	4.76	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	----	4.76	"	"	"	"	"	
2,4,5-Trichlorophenol	"	ND	----	4.76	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	----	4.76	"	"	"	"	"	
Surrogate(s): 2-Fluorobiphenyl			*79.8%*		*22 - 120 %*	"			"	
2-Fluorophenol			*47.7%*		*5 - 120 %*	"			"	
Nitrobenzene-d5			*99.2%*		*26 - 127 %*	"			"	
Phenol-d6			*50.7%*		*4 - 121 %*	"			"	
p-Terphenyl-d14			*91.7%*		*37 - 130 %*	"			"	
2,4,6-Tribromophenol			*60.6%*		*21 - 129 %*	"			"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024481

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Conventional Chemistry Parameters per APHA/EPA Methods

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPJ0746-01 (06-90-CE-C)		**Water**			**Sampled: 10/17/06 09:15**					
Biochemical Oxygen Demand	EPA 405.1	**5.64**	-----	4.00	mg/l	1x	6100893	10/18/06 14:39	10/23/06 11:25	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024482

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Total Metals per EPA 200 Series Methods - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6101090 **Water Preparation Method: EPA 200/3005**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6101090-BLK1)								Extracted: 10/20/06 15:43						
Chromium	EPA 200.8	ND	---	0.00100	mg/l	1x	--	--	--	--	--	--	10/28/06 03:12	
LCS (6101090-BS1)								Extracted: 10/20/06 15:43						
Chromium	EPA 200.8	0.0967	---	0.00111	mg/l	1x	--	0.111	87.1%	(85-115)	--	--	10/28/06 03:16	
Duplicate (6101090-DUP1)						QC Source: PPJ0746-01		Extracted: 10/20/06 15:43						
Chromium	EPA 200.8	ND	---	0.00100	mg/l	1x	ND	--	--	--	NR	(20)	10/28/06 03:24	
Matrix Spike (6101090-MS1)						QC Source: PPJ0769-01		Extracted: 10/20/06 15:43						
Chromium	EPA 200.8	0.0981	---	0.00111	mg/l	1x	ND	0.111	88.4%	(75-125)	--	--	10/28/06 03:44	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024483

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Purgeables per EPA Method 624 Modified - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100963 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6100963-BLK1)								Extracted: 10/19/06 08:00						
Acrolein	EPA 624	ND	---	10.0	ug/l	1x	--	--	--	--	--	--	10/19/06 11:04	
Acrylonitrile	"	ND	---	6.00	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*100%*		*Limits:*	*75-120%*	"						*10/19/06 11:04*	
	1,2-DCA-d4		*108%*			*77-129%*	"						"	
	Dibromofluoromethane		*108%*			*80-121%*	"						"	
	Toluene-d8		*104%*			*80-120%*	"						"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024484

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Purgeables per EPA Method 624 Modified - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100963 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6100963-BS1)									Extracted: 10/19/06 08:00					
Benzene	EPA 624	19.2	---	1.00	ug/l	1x	--	20.0	96.0%	(80-120)	--	--	10/19/06 08:50	
Chlorobenzene	"	18.0	---	1.00	"	"	--	"	90.0%	"	--	--	"	
1,1-Dichloroethene	"	18.2	---	1.00	"	"	--	"	91.0%	"	--	--	"	
Toluene	"	18.8	---	1.00	"	"	--	"	94.0%	"	--	--	"	
Trichloroethene	"	19.0	---	1.00	"	"	--	"	95.0%	(80-124)	--	--	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*99.5%*		*Limits:*	*75-120%*	"						*10/19/06 08:50*	
	1,2-DCA-d4		*102%*			*77-129%*	"						"	
	Dibromofluoromethane		*100%*			*80-121%*	"						"	
	Toluene-d8		*98.0%*			*80-120%*	"						"	
Matrix Spike (6100963-MS1)					QC Source: PPJ0767-01				Extracted: 10/19/06 08:00					
Benzene	EPA 624	18.7	---	1.00	ug/l	1x	ND	20.0	93.5%	(80-124)	--	--	10/19/06 09:17	
Chlorobenzene	"	18.4	---	1.00	"	"	ND	"	92.0%	(72.9-134)	--	--	"	
1,1-Dichloroethene	"	18.2	---	1.00	"	"	ND	"	91.0%	(79.3-127)	--	--	"	
Toluene	"	18.9	---	1.00	"	"	0.140	"	93.8%	(79.7-131)	--	--	"	
Trichloroethene	"	18.5	---	1.00	"	"	ND	"	92.5%	(68.4-130)	--	--	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*100%*		*Limits:*	*75-120%*	"						*10/19/06 09:17*	
	1,2-DCA-d4		*97.0%*			*77-129%*	"						"	
	Dibromofluoromethane		*97.5%*			*80-121%*	"						"	
	Toluene-d8		*97.0%*			*80-120%*	"						"	
Matrix Spike Dup (6100963-MSD1)					QC Source: PPJ0767-01				Extracted: 10/19/06 08:00					
Benzene	EPA 624	18.2	---	1.00	ug/l	1x	ND	20.0	91.0%	(80-124)	2.71%	(19.7)	10/19/06 09:44	
Chlorobenzene	"	18.1	---	1.00	"	"	ND	"	90.5%	(72.9-134)	1.64%	(22.1)	"	
1,1-Dichloroethene	"	17.5	---	1.00	"	"	ND	"	87.5%	(79.3-127)	3.92%	(20.4)	"	
Toluene	"	18.2	---	1.00	"	"	0.140	"	90.3%	(79.7-131)	3.77%	(25.7)	"	
Trichloroethene	"	17.7	---	1.00	"	"	ND	"	88.5%	(68.4-130)	4.42%	(21.4)	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*108%*		*Limits:*	*75-120%*	"						*10/19/06 09:44*	
	1,2-DCA-d4		*101%*			*77-129%*	"						"	
	Dibromofluoromethane		*102%*			*80-121%*	"						"	
	Toluene-d8		*102%*			*80-120%*	"						"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024485

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6101087 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6101087-BLK1)													Extracted: 10/20/06 16:45	
Acenaphthene	EPA 625	ND	---	5.00	ug/l	1x	--	--	--	--	--	--	10/24/06 23:24	
Acenaphthylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzidine	"	ND	---	60.0	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Bromophenyl phenyl ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Butyl benzyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chloro-3-methylphenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethoxy)methane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethyl)ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bis(2-chloroisopropyl)ether	"	ND	---	10.0	"	"	--	--	--	--	--	--	10/29/06 22:33	
2-Chloronaphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	10/24/06 23:24	
2-Chlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chlorophenyl phenyl ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Di-n-butyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Di-n-octyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2 Diphenylhydrazine (as Azobenzene)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
3,3'-Dichlorobenzidine	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4-Dichlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Diethyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4-Dimethylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Dimethyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4,6-Dinitro-2-methylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2,4-Dinitrophenol	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
2,4-Dinitrotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,6-Dinitrotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bis(2-ethylhexyl)phthalate	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Hexachlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024486

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6101087 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6101087-BLK1)								Extracted: 10/20/06 16:45						
Hexachlorobutadiene	EPA 625	ND	---	10.0	ug/l	1x	--	--	--	--	--	--	10/24/06 23:24	
Hexachlorocyclopentadiene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Hexachloroethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Isophorone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Nitrobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Nitrophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Nitrophenol	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
N-Nitrosodimethylamine	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
N-Nitrosodi-n-propylamine	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
N-Nitrosodiphenylamine	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Pentachlorophenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Phenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4,6-Trichlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-Fluorobiphenyl		*Recovery: 78.5%*			*Limits: 20-120%*	"							*10/24/06 23:24*	
2-Fluorophenol		*66.7%*			*10-120%*	"							"	
Nitrobenzene-d5		*106%*			*25-130%*	"							"	
Phenol-d6		*71.3%*			*10-120%*	"							"	
p-Terphenyl-d14		*99.2%*			*35-130%*	"							"	
2,4,6-Tribromophenol		*73.3%*			*20-130%*	"							"	
LCS (6101087-BS1)								Extracted: 10/20/06 16:45						
Acenaphthene	EPA 625	48.4	---	5.00	ug/l	1x	--	50.0	96.8%	(45-145)	--	--	10/25/06 00:08	
Acenaphthylene	"	43.5	---	5.00	"	"	--	"	87.0%	(30-145)	--	--	"	
Anthracene	"	45.0	---	5.00	"	"	--	"	90.0%	(25-135)	--	--	"	
Benzidine	"	33.0	---	60.0	"	"	--	40.0	82.5%	(0-169)	--	--	"	Q-31
Benzo (a) anthracene	"	47.7	---	5.00	"	"	--	50.0	95.4%	(30-145)	--	--	"	
Benzo (a) pyrene	"	49.4	---	5.00	"	"	--	"	98.8%	(15-150)	--	--	"	
Benzo (b) fluoranthene	"	48.7	---	5.00	"	"	--	"	97.4%	(20-150)	--	--	"	
Benzo (ghi) perylene	"	51.6	---	5.00	"	"	--	"	103%	(10-150)	--	--	"	
Benzo (k) fluoranthene	"	49.2	---	5.00	"	"	--	"	98.4%	"	--	--	"	
4-Bromophenyl phenyl ether	"	47.5	---	5.00	"	"	--	"	95.0%	(50-130)	--	--	"	
Butyl benzyl phthalate	"	50.4	---	5.00	"	"	--	"	101%	(10-150)	--	--	"	
4-Chloro-3-methylphenol	"	50.2	---	5.00	"	"	--	"	100%	(20-150)	--	--	"	
Bis(2-chloroethoxy)methane	"	48.7	---	10.0	"	"	--	"	97.4%	(30-150)	--	--	"	
Bis(2-chloroethyl)ether	"	43.3	---	5.00	"	"	--	"	86.6%	(10-150)	--	--	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024487

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6101087 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6101087-BS1)									Extracted: 10/20/06 16:45					
Bis(2-chloroisopropyl)ether	EPA 625	42.6	---	10.0	ug/l	1x	--	50.0	85.2%	(35-150)	--	--	10/29/06 23:17	
2-Chloronaphthalene	"	49.3	---	5.00	"	"	--	"	98.6%	(60-120)	--	--	10/25/06 00:08	
2-Chlorophenol	"	44.3	---	5.00	"	"	--	"	88.6%	(20-135)	--	--	"	
4-Chlorophenyl phenyl ether	"	56.8	---	5.00	"	"	--	"	114%	(25-150)	--	--	"	
Chrysene	"	47.7	---	5.00	"	"	--	"	95.4%	(15-150)	--	--	"	
Di-n-butyl phthalate	"	49.2	---	5.00	"	"	--	"	98.4%	(10-120)	--	--	"	
Di-n-octyl phthalate	"	59.5	---	5.00	"	"	--	"	119%	(10-150)	--	--	"	
Dibenzo (a,h) anthracene	"	51.8	---	5.00	"	"	--	"	104%	"	--	--	"	
1,2 Diphenylhydrazine (as Azobenzene)	"	53.7	---	5.00	"	"	--	"	107%	"	--	--	"	
1,2-Dichlorobenzene	"	37.4	---	5.00	"	"	--	"	74.8%	(10-130)	--	--	"	
1,3-Dichlorobenzene	"	36.1	---	5.00	"	"	--	"	72.2%	(10-150)	--	--	"	
1,4-Dichlorobenzene	"	36.4	---	5.00	"	"	--	"	72.8%	(10-125)	--	--	"	
3,3'-Dichlorobenzidine	"	57.7	---	5.00	"	"	--	40.0	144%	(10-150)	--	--	"	
2,4-Dichlorophenol	"	45.8	---	5.00	"	"	--	50.0	91.6%	(35-135)	--	--	"	
Diethyl phthalate	"	53.3	---	5.00	"	"	--	"	107%	(10-115)	--	--	"	
2,4-Dimethylphenol	"	29.4	---	10.0	"	"	--	"	58.8%	(30-120)	--	--	"	
Dimethyl phthalate	"	50.6	---	5.00	"	"	--	"	101%	(10-115)	--	--	"	
4,6-Dinitro-2-methylphenol	"	50.0	---	10.0	"	"	--	"	100%	(10-150)	--	--	"	
2,4-Dinitrophenol	"	44.7	---	25.0	"	"	--	"	89.4%	"	--	--	"	
2,4-Dinitrotoluene	"	49.0	---	5.00	"	"	--	"	98.0%	(35-140)	--	--	"	
2,6-Dinitrotoluene	"	51.9	---	5.00	"	"	--	"	104%	(50-150)	--	--	"	
Bis(2-ethylhexyl)phthalate	"	52.0	---	10.0	"	"	--	"	104%	(10-150)	--	--	"	
Fluoranthene	"	46.7	---	5.00	"	"	--	"	93.4%	(25-140)	--	--	"	
Fluorene	"	53.8	---	5.00	"	"	--	"	108%	(55-125)	--	--	"	
Hexachlorobenzene	"	47.4	---	5.00	"	"	--	"	94.8%	(10-150)	--	--	"	
Hexachlorobutadiene	"	44.1	---	10.0	"	"	--	"	88.2%	(10-120)	--	--	"	
Hexachlorocyclopentadiene	"	13.0	---	10.0	"	"	--	"	26.0%	(10-150)	--	--	"	
Hexachloroethane	"	36.2	---	10.0	"	"	--	"	72.4%	(10-115)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	52.4	---	5.00	"	"	--	"	105%	(10-150)	--	--	"	
Isophorone	"	44.5	---	5.00	"	"	--	"	89.0%	(20-150)	--	--	"	
Naphthalene	"	44.0	---	5.00	"	"	--	"	88.0%	(20-135)	--	--	"	
Nitrobenzene	"	45.6	---	5.00	"	"	--	"	91.2%	(35-150)	--	--	"	
2-Nitrophenol	"	45.0	---	5.00	"	"	--	"	90.0%	(25-150)	--	--	"	
4-Nitrophenol	"	47.3	---	25.0	"	"	--	"	94.6%	(10-135)	--	--	"	
N-Nitrosodimethylamine	"	40.6	---	5.00	"	"	--	"	81.2%	(10-150)	--	--	"	
N-Nitrosodi-n-propylamine	"	41.2	---	10.0	"	"	--	"	82.4%	"	--	--	"	
N-Nitrosodiphenylamine	"	47.0	---	5.00	"	"	--	"	94.0%	"	--	--	"	
Pentachlorophenol	"	51.4	---	10.0	"	"	--	"	103%	"	--	--	"	
Phenanthrene	"	47.4	---	5.00	"	"	--	"	94.8%	(50-120)	--	--	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024488

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6101087 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6101087-BS1)									Extracted: 10/20/06 16:45					
Phenol	EPA 625	39.1	---	5.00	ug/l	1x	--	50.0	78.2%	(10-115)	--	--	10/25/06 00:08	
Pyrene	"	48.6	---	5.00	"	"	--	"	97.2%	(50-125)	--	--	"	
1,2,4-Trichlorobenzene	"	42.7	---	5.00	"	"	--	"	85.4%	(10-145)	--	--	"	
2,4,6-Trichlorophenol	"	49.1	---	5.00	"	"	--	"	98.2%	(35-145)	--	--	"	
Surrogate(s): 2-Fluorobiphenyl		*Recovery: 98.4%*			*Limits: 20-120%*	"							*10/25/06 00:08*	
2-Fluorophenol		*66.5%*			*10-120%*	"							"	
Nitrobenzene-d5		*107%*			*25-130%*	"							"	
Phenol-d6		*59.2%*			*10-120%*	"							"	
p-Terphenyl-d14		*105%*			*35-130%*	"							"	
2,4,6-Tribromophenol		*85.3%*			*20-130%*	"							"	
LCS Dup (6101087-BSD1)									Extracted: 10/20/06 16:45					
Acenaphthene	EPA 625	47.8	---	5.00	ug/l	1x	--	50.0	95.6%	(45-145)	1.25%	(50)	10/25/06 00:52	
Acenaphthylene	"	44.0	---	5.00	"	"	--	"	88.0%	(30-145)	1.14%	"	"	
Anthracene	"	43.2	---	5.00	"	"	--	"	86.4%	(25-135)	4.08%	"	"	
Benzidine	"	32.3	---	60.0	"	"	--	40.0	80.8%	(0-169)	2.14%	"	"	Q-31
Benzo (a) anthracene	"	47.1	---	5.00	"	"	--	50.0	94.2%	(30-145)	1.27%	"	"	
Benzo (a) pyrene	"	49.6	---	5.00	"	"	--	"	99.2%	(15-150)	0.404%	"	"	
Benzo (b) fluoranthene	"	47.7	---	5.00	"	"	--	"	95.4%	(20-150)	2.07%	"	"	
Benzo (ghi) perylene	"	51.0	---	5.00	"	"	--	"	102%	(10-150)	1.17%	"	"	
Benzo (k) fluoranthene	"	51.5	---	5.00	"	"	--	"	103%	"	4.57%	"	"	
4-Bromophenyl phenyl ether	"	48.4	---	5.00	"	"	--	"	96.8%	(50-130)	1.88%	"	"	
Butyl benzyl phthalate	"	50.5	---	5.00	"	"	--	"	101%	(10-150)	0.198%	"	"	
4-Chloro-3-methylphenol	"	46.7	---	5.00	"	"	--	"	93.4%	(20-150)	7.22%	"	"	
Bis(2-chloroethoxy)methane	"	47.9	---	10.0	"	"	--	"	95.8%	(30-150)	1.66%	"	"	
Bis(2-chloroethyl)ether	"	41.0	---	5.00	"	"	--	"	82.0%	(10-150)	5.46%	"	"	
Bis(2-chloroisopropyl)ether	"	42.0	---	10.0	"	"	--	"	84.0%	(35-150)	1.42%	"	10/30/06 00:02	
2-Chloronaphthalene	"	48.8	---	5.00	"	"	--	"	97.6%	(60-120)	1.02%	"	10/25/06 00:52	
2-Chlorophenol	"	41.2	---	5.00	"	"	--	"	82.4%	(20-135)	7.25%	"	"	
4-Chlorophenyl phenyl ether	"	55.9	---	5.00	"	"	--	"	112%	(25-150)	1.60%	"	"	
Chrysene	"	48.0	---	5.00	"	"	--	"	96.0%	(15-150)	0.627%	"	"	
Di-n-butyl phthalate	"	48.9	---	5.00	"	"	--	"	97.8%	(10-120)	0.612%	"	"	
Di-n-octyl phthalate	"	59.0	---	5.00	"	"	--	"	118%	(10-150)	0.844%	"	"	
Dibenzo (a,h) anthracene	"	50.9	---	5.00	"	"	--	"	102%	"	1.75%	"	"	
1,2 Diphenylhydrazine (as Azobenzene)	"	52.8	---	5.00	"	"	--	"	106%	"	1.69%	"	"	
1,2-Dichlorobenzene	"	34.9	---	5.00	"	"	--	"	69.8%	(10-130)	6.92%	"	"	
1,3-Dichlorobenzene	"	32.7	---	5.00	"	"	--	"	65.4%	(10-150)	9.88%	"	"	
1,4-Dichlorobenzene	"	33.2	---	5.00	"	"	--	"	66.4%	(10-125)	9.20%	"	"	
3,3'-Dichlorobenzidine	"	58.1	---	5.00	"	"	--	40.0	145%	(10-150)	0.691%	"	"	
2,4-Dichlorophenol	"	44.6	---	5.00	"	"	--	50.0	89.2%	(35-135)	2.65%	"	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024489

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6101087 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (6101087-BSD1)								**Extracted: 10/20/06 16:45**						
Diethyl phthalate	EPA 625	52.1	---	5.00	ug/l	1x	--	50.0	104%	(10-115)	2.28%	(50)	10/25/06 00:52	
2,4-Dimethylphenol	"	28.4	---	10.0	"	"	--	"	56.8%	(30-120)	3.46%	"	"	
Dimethyl phthalate	"	50.8	---	5.00	"	"	--	"	102%	(10-115)	0.394%	"	"	
4,6-Dinitro-2-methylphenol	"	47.2	---	10.0	"	"	--	"	94.4%	(10-150)	5.76%	"	"	
2,4-Dinitrophenol	"	40.8	---	25.0	"	"	--	"	81.6%	"	9.12%	"	"	
2,4-Dinitrotoluene	"	49.0	---	5.00	"	"	--	"	98.0%	(35-140)	0.00%	"	"	
2,6-Dinitrotoluene	"	51.9	---	5.00	"	"	--	"	104%	(50-150)	0.00%	"	"	
Bis(2-ethylhexyl)phthalate	"	51.1	---	10.0	"	"	--	"	102%	(10-150)	1.75%	"	"	
Fluoranthene	"	45.4	---	5.00	"	"	--	"	90.8%	(25-140)	2.82%	"	"	
Fluorene	"	53.9	---	5.00	"	"	--	"	108%	(55-125)	0.186%	"	"	
Hexachlorobenzene	"	47.7	---	5.00	"	"	--	"	95.4%	(10-150)	0.631%	"	"	
Hexachlorobutadiene	"	42.2	---	10.0	"	"	--	"	84.4%	(10-120)	4.40%	"	"	
Hexachlorocyclopentadiene	"	14.6	---	10.0	"	"	--	"	29.2%	(10-150)	11.6%	"	"	
Hexachloroethane	"	33.3	---	10.0	"	"	--	"	66.6%	(10-115)	8.35%	"	"	
Indeno (1,2,3-cd) pyrene	"	52.0	---	5.00	"	"	--	"	104%	(10-150)	0.766%	"	"	
Isophorone	"	44.0	---	5.00	"	"	--	"	88.0%	(20-150)	1.13%	"	"	
Naphthalene	"	42.6	---	5.00	"	"	--	"	85.2%	(20-135)	3.23%	"	"	
Nitrobenzene	"	44.5	---	5.00	"	"	--	"	89.0%	(35-150)	2.44%	"	"	
2-Nitrophenol	"	43.0	---	5.00	"	"	--	"	86.0%	(25-150)	4.55%	"	"	
4-Nitrophenol	"	43.7	---	25.0	"	"	--	"	87.4%	(10-135)	7.91%	"	"	
N-Nitrosodimethylamine	"	36.6	---	5.00	"	"	--	"	73.2%	(10-150)	10.4%	"	"	
N-Nitrosodi-n-propylamine	"	41.8	---	10.0	"	"	--	"	83.6%	"	1.45%	"	"	
N-Nitrosodiphenylamine	"	46.6	---	5.00	"	"	--	"	93.2%	"	0.855%	"	"	
Pentachlorophenol	"	50.7	---	10.0	"	"	--	"	101%	"	1.37%	"	"	
Phenanthrene	"	46.6	---	5.00	"	"	--	"	93.2%	(50-120)	1.70%	"	"	
Phenol	"	35.0	---	5.00	"	"	--	"	70.0%	(10-115)	11.1%	"	"	
Pyrene	"	47.8	---	5.00	"	"	--	"	95.6%	(50-125)	1.66%	"	"	
1,2,4-Trichlorobenzene	"	41.2	---	5.00	"	"	--	"	82.4%	(10-145)	3.58%	"	"	
2,4,6-Trichlorophenol	"	48.6	---	5.00	"	"	--	"	97.2%	(35-145)	1.02%	"	"	

Surrogate(s):	*2-Fluorobiphenyl*	*Recovery:*	*95.5%*	*Limits: 20-120%*	"	*10/25/06 00:52*
	2-Fluorophenol		*62.0%*	*10-120%*	"	"
	Nitrobenzene-d5		*105%*	*25-130%*	"	"
	Phenol-d6		*53.6%*	*10-120%*	"	"
	p-Terphenyl-d14		*103%*	*35-130%*	"	"
	2,4,6-Tribromophenol		*84.7%*	*20-130%*	"	"

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024490

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100963 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6100963-BLK1)								Extracted: 10/19/06 08:00						
Acetone	EPA 8260B	ND	---	25.0	ug/l	1x	--	--	--	--	--	--	10/19/06 11:04	
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Butanone (MEK)	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
n-Butylbenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
sec-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
tert-Butylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
4-Chlorotoluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024491

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100963 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6100963-BLK1)													Extracted: 10/19/06 08:00	
Hexachlorobutadiene	EPA 8260B	ND	---	4.00	ug/l	1x	--	--	--	--	--	--	10/19/06 11:04	
2-Hexanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Isopropylbenzene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
p-Isopropyltoluene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Methyl tert-butyl ether	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
n-Propylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Tetrachloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3,5-Trimethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 4-BFB		*Recovery: 100%*			*Limits: 80-120%*	"							*10/19/06 11:04*	
1,2-DCA-d4		*108%*			*80-120%*	"							"	
Dibromofluoromethane		*108%*			*80-120%*	"							"	
Toluene-d8		*104%*			*80-120%*	"							"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024492

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Volatile Organic Compounds per EPA Method 8260B - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100963 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6100963-BS1)								Extracted: 10/19/06 08:00						
Benzene	EPA 8260B	19.2	---	1.00	ug/l	1x	--	20.0	96.0%	(80-120)	--	--	10/19/06 08:50	
Chlorobenzene	"	18.0	---	1.00	"	"	--	"	90.0%	(80-124)	--	--	"	
1,1-Dichloroethene	"	18.2	---	1.00	"	"	--	"	91.0%	(78-120)	--	--	"	
Toluene	"	18.8	---	1.00	"	"	--	"	94.0%	(80-124)	--	--	"	
Trichloroethene	"	19.0	---	1.00	"	"	--	"	95.0%	(80-132)	--	--	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*99.5%*		*Limits:*	*80-120%*	"						*10/19/06 08:50*	
	1,2-DCA-d4		*102%*			*80-120%*	"						"	
	Dibromofluoromethane		*100%*			*80-120%*	"						"	
	Toluene-d8		*98.0%*			*80-120%*	"						"	
Matrix Spike (6100963-MS1)					QC Source: PPJ0767-01			Extracted: 10/19/06 08:00						
Benzene	EPA 8260B	18.7	---	1.00	ug/l	1x	ND	20.0	93.5%	(80-124)	--	--	10/19/06 09:17	
Chlorobenzene	"	18.4	---	1.00	"	"	ND	"	92.0%	(72.9-134)	--	--	"	
1,1-Dichloroethene	"	18.2	---	1.00	"	"	ND	"	91.0%	(79.3-127)	--	--	"	
Toluene	"	18.9	---	1.00	"	"	0.140	"	93.8%	(79.7-131)	--	--	"	
Trichloroethene	"	18.5	---	1.00	"	"	ND	"	92.5%	(68.4-130)	--	--	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*100%*		*Limits:*	*80-120%*	"						*10/19/06 09:17*	
	1,2-DCA-d4		*97.0%*			*80-120%*	"						"	
	Dibromofluoromethane		*97.5%*			*80-120%*	"						"	
	Toluene-d8		*97.0%*			*80-120%*	"						"	
Matrix Spike Dup (6100963-MSD1)					QC Source: PPJ0767-01			Extracted: 10/19/06 08:00						
Benzene	EPA 8260B	18.2	---	1.00	ug/l	1x	ND	20.0	91.0%	(80-124)	2.71%	(25)	10/19/06 09:44	
Chlorobenzene	"	18.1	---	1.00	"	"	ND	"	90.5%	(72.9-134)	1.64%	"	"	
1,1-Dichloroethene	"	17.5	---	1.00	"	"	ND	"	87.5%	(79.3-127)	3.92%	"	"	
Toluene	"	18.2	---	1.00	"	"	0.140	"	90.3%	(79.7-131)	3.77%	"	"	
Trichloroethene	"	17.7	---	1.00	"	"	ND	"	88.5%	(68.4-130)	4.42%	"	"	
Surrogate(s):	*4-BFB*	*Recovery:*	*108%*		*Limits:*	*80-120%*	"						*10/19/06 09:44*	
	1,2-DCA-d4		*101%*			*80-120%*	"						"	
	Dibromofluoromethane		*102%*			*80-120%*	"						"	
	Toluene-d8		*102%*			*80-120%*	"						"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024493

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Semivolatile Organic Compounds per EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6101087 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6101087-BLK1)								Extracted: 10/20/06 16:45						
1,2 Diphenylhydrazine (as Azobenzene)	EPA 8270C	ND	---	5.00	ug/l	1x	--	--	--	--	--	--	10/24/06 23:24	
Pyridine	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Aniline	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Tetrachlorophenols (2)	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
Acenaphthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Acenaphthylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzoic Acid	"	ND	---	50.0	"	"	--	--	--	--	--	--	"	
Benzyl alcohol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
4-Bromophenyl phenyl ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Butyl benzyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chloro-3-methylphenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chloroaniline	"	ND	---	20.0	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethoxy)methane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethyl)ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bis(2-chloroisopropyl)ether	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Chloronaphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chlorophenyl phenyl ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Di-n-butyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Di-n-octyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibenzofuran	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
3,3'-Dichlorobenzidine	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4-Dichlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Diethyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4-Dimethylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Dimethyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4,6-Dinitro-2-methylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2,4-Dinitrophenol	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024494

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Semivolatile Organic Compounds per EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6101087 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6101087-BLK1)								Extracted: 10/20/06 16:45						
2,4-Dinitrotoluene	EPA 8270C	ND	---	5.00	ug/l	1x	--	--	--	--	--	--	10/24/06 23:24	
2,6-Dinitrotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bis(2-ethylhexyl)phthalate	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Hexachlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Hexachlorobutadiene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Hexachlorocyclopentadiene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Hexachloroethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Isophorone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Methylnaphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Methylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
3-,4-Methylphenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Nitroaniline	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
3-Nitroaniline	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
4-Nitroaniline	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Nitrobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Nitrophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Nitrophenol	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
N-Nitrosodi-n-propylamine	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
N-Nitrosodiphenylamine	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Pentachlorophenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Phenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4,5-Trichlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4,6-Trichlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Surrogate(s):	*2-Fluorobiphenyl*	*Recovery:*	*78.5%*		*Limits:*	*22-120%*	"						*10/24/06 23:24*	
	2-Fluorophenol		*66.7%*			*5-120%*	"						"	
	Nitrobenzene-d5		*106%*			*26-127%*	"						"	
	Phenol-d6		*71.3%*			*4-121%*	"						"	
	p-Terphenyl-d14		*99.2%*			*37-130%*	"						"	
	2,4,6-Tribromophenol		*73.3%*			*21-129%*	"						"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024495

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Semivolatile Organic Compounds per EPA Method 8270C - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6101087 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6101087-BS1)									Extracted: 10/20/06 16:45					
Acenaphthene	EPA 8270C	48.4	---	5.00	ug/l	1x	--	50.0	96.8%	(56-120)	--	--	10/25/06 00:08	
4-Chloro-3-methylphenol	"	50.2	---	5.00	"	"	--	"	100%	(37-131)	--	--	"	
2-Chlorophenol	"	44.3	---	5.00	"	"	--	"	88.6%	(31-130)	--	--	"	
1,4-Dichlorobenzene	"	36.4	---	5.00	"	"	--	"	72.8%	(8-124)	--	--	"	
2,4-Dinitrotoluene	"	49.0	---	5.00	"	"	--	"	98.0%	(50-127)	--	--	"	
4-Nitrophenol	"	47.3	---	25.0	"	"	--	"	94.6%	(1-157)	--	--	"	
N-Nitrosodi-n-propylamine	"	41.2	---	10.0	"	"	--	"	82.4%	(44-129)	--	--	"	
Pentachlorophenol	"	51.4	---	10.0	"	"	--	"	103%	(23-149)	--	--	"	
Phenol	"	39.1	---	5.00	"	"	--	"	78.2%	(1-145)	--	--	"	
Pyrene	"	48.6	---	5.00	"	"	--	"	97.2%	(56-125)	--	--	"	
1,2,4-Trichlorobenzene	"	42.7	---	5.00	"	"	--	"	85.4%	(33-116)	--	--	"	
Surrogate(s):	*2-Fluorobiphenyl*	*Recovery:*	*98.4%*		*Limits:*	*22-120%*	"						*10/25/06 00:08*	
	2-Fluorophenol		*66.5%*			*5-120%*	"						"	
	Nitrobenzene-d5		*107%*			*26-127%*	"						"	
	Phenol-d6		*59.2%*			*4-121%*	"						"	
	p-Terphenyl-d14		*105%*			*37-130%*	"						"	
	2,4,6-Tribromophenol		*85.3%*			*21-129%*	"						"	
LCS Dup (6101087-BSD1)									Extracted: 10/20/06 16:45					
Acenaphthene	EPA 8270C	47.8	---	5.00	ug/l	1x	--	50.0	95.6%	(56-120)	1.25%	(50)	10/25/06 00:52	
4-Chloro-3-methylphenol	"	46.7	---	5.00	"	"	--	"	93.4%	(37-131)	7.22%	"	"	
2-Chlorophenol	"	41.2	---	5.00	"	"	--	"	82.4%	(31-130)	7.25%	"	"	
1,4-Dichlorobenzene	"	33.2	---	5.00	"	"	--	"	66.4%	(8-124)	9.20%	"	"	
2,4-Dinitrotoluene	"	49.0	---	5.00	"	"	--	"	98.0%	(50-127)	0.00%	"	"	
4-Nitrophenol	"	43.7	---	25.0	"	"	--	"	87.4%	(1-157)	7.91%	"	"	
N-Nitrosodi-n-propylamine	"	41.8	---	10.0	"	"	--	"	83.6%	(44-129)	1.45%	"	"	
Pentachlorophenol	"	50.7	---	10.0	"	"	--	"	101%	(23-149)	1.37%	"	"	
Phenol	"	35.0	---	5.00	"	"	--	"	70.0%	(1-145)	11.1%	"	"	
Pyrene	"	47.8	---	5.00	"	"	--	"	95.6%	(56-125)	1.66%	"	"	
1,2,4-Trichlorobenzene	"	41.2	---	5.00	"	"	--	"	82.4%	(33-116)	3.58%	"	"	
Surrogate(s):	*2-Fluorobiphenyl*	*Recovery:*	*95.5%*		*Limits:*	*22-120%*	"						*10/25/06 00:52*	
	2-Fluorophenol		*62.0%*			*5-120%*	"						"	
	Nitrobenzene-d5		*105%*			*26-127%*	"						"	
	Phenol-d6		*53.6%*			*4-121%*	"						"	
	p-Terphenyl-d14		*103%*			*37-130%*	"						"	
	2,4,6-Tribromophenol		*84.7%*			*21-129%*	"						"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024496

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Conventional Chemistry Parameters per APHA/EPA Methods - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6100893 **Water Preparation Method: General Preparation**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6100893-BLK1)								Extracted: 10/18/06 07:10						
Biochemical Oxygen Demand	EPA 405.1	ND	---	4.00	mg/l	1x	--	--	--	--	--	--	10/23/06 11:25	
Blank (6100893-BLK2)								Extracted: 10/18/06 16:13						
Biochemical Oxygen Demand	EPA 405.1	ND	---	4.00	mg/l	1x	--	--	--	--	--	--	10/23/06 11:25	Q-34
LCS (6100893-BS1)								Extracted: 10/18/06 07:10						
Biochemical Oxygen Demand	EPA 405.1	201	---	4.00	mg/l	1x	--	198	102%	(80-130)	--	--	10/23/06 11:25	
LCS (6100893-BS2)								Extracted: 10/18/06 16:13						
Biochemical Oxygen Demand	EPA 405.1	203	---	4.00	mg/l	1x	--	198	103%	(80-130)	--	--	10/23/06 11:25	
Duplicate (6100893-DUP1)					QC Source: PPJ0696-01			Extracted: 10/18/06 07:10						
Biochemical Oxygen Demand	EPA 405.1	ND	---	4.00	mg/l	1x	ND	--	--	--	NR	(40)	10/23/06 11:25	
Duplicate (6100893-DUP2)					QC Source: PPJ0779-01			Extracted: 10/18/06 16:13						
Biochemical Oxygen Demand	EPA 405.1	832	---	4.00	mg/l	1x	798	--	--	--	4.17%	(40)	10/23/06 11:25	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024497

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	10/31/06 17:16

Notes and Definitions

Report Specific Notes:

Q-31 - The Lower acceptance limit is set to zero for this analyte, as it is subject to oxidative losses during solvent concentration. This compound is included in EPA 625 as an additional extractable parameter, and extraction is not guaranteed by method.

Q-34 - The dissolved oxygen depletion for the blank is greater than the method specified limit of 0.2mg/L, but below the BOD MRL of 4.0mg/L.

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024498

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave. Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave. Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PRJ 0746

CLIENT: Siltronic

REPORT TO: Terry Rothschild
ADDRESS: 7200 N W Front Ave
Portland, OR
PHONE: 503-249-1334 FAX: 503-249-4444

INVOICE TO: Accts Payable

P.O. NUMBER: 4500186624

PROJECT NAME: DEQ - SPLIT
PROJECT NUMBER: 90 91
SAMPLED BY: Dianne Irish

TURNAROUND REQUEST in Business Days *
Organic & Inorganic Analyses: 10 (STD) X 5 4 3 2 1 <1
Petroleum Hydrocarbon Analyses: 5 (STD) 4 3 2 1 <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE

REQUESTED ANALYSES

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	BCD	Cr(T)	608	624	625	1-2 Diphenyl hydrazine	8270	8240						MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	TA WO ID
1 06-90-CE-C	10/17/06 0915	X	X												W	2		
2 06-91-CE-g	10/17/06 0918			X	X	X	X	X	X						W	5		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

RELEASED BY: Dianne Irish DATE: 10-17-06
PRINT NAME: Dianne Irish FIRM: Siltronic TIME: 14:10
RECEIVED BY: [signature] DATE: 10/17/06
PRINT NAME: Bob F FIRM: TAP TIME: 14:10

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:
RECEIVED BY: DATE: lab
PRINT NAME: FIRM: TIME: 17:15

ADDITIONAL REMARKS:

TEMP: 4.9

COC REV 05 2006

PAGE OF

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and for any additional analyses performed on this project.
Payment for services is due within 30 days from the date of invoice unless otherwise contracted. Sample(s) will be disposed of after 30 days unless otherwise contracted.

SCOEPA00024499

Circle Y or N
(If Y, see other side)

TEST AMERICA SAMPLE RECEIPT CHECKLIST

Received By: (applies to temp at receipt)
Date: 10/17/10
Time: 14:10
Initials: ISA

Logged-in By:
Date: 10/17
Initials: CA

Unpacked/Labeled By:
Date: 10/17
Initials: CA

Cooler ID: ____ (___ of ___)

Work Order No. PRJ0746
Client: Sitronics
Project: DEQ Split

Container Type:	COC Seals:		Packing Material
1 Cooler	___ Ship. Container	____Sign By	___ Bubble Bags ___ Styrofoam
___ Box	___ On Bottles	____ Date	___ Foam Packs
___ None/Other ____	✓ None		___ None/Other Other bagged

Refrigerant:
___ Gel Ice Pack ____ ___ None
X Loose Ice
___ None/Other ____

Received Via: Bill#
___ Fed Ex ___ Client
___ UPS X NCA Courier
___ DHL ___ Mid Valley
___ Senvoy ___ TDP
___ GS ___ Other____

Cooler Temperature (*IR*): 4.7 °C Plastic Glass (Frozen filters, Tedlars and aqueous Metals exempt)
(circle one)

Temperature Blank? ____°C or NA

Trip Blank? Y or N or NA NOT on COC

Sample Containers:		ID			ID
Intact?	Y or N	____	Metals Preserved?	Y or N or NA	____
Provided by NCA?	Y or N	____	Client QAPP Preserved?	Y or N or NA	____
Correct Type?	Y or N	____	Adequate Volume? (for tests requested)	Y or N	____
#Containers match COC?	Y or N	____	Water VOAs: Headspace?	Y or N or NA	____
IDs/time/date match COC?	Y or N	____	Comments:		
Hold Times in hold?	Y or N	____			

PROJECT MANAGEMENT

Is the Chain of Custody complete? Y or N If N, circle the items that were incomplete

Comments,Problems____

Total access set up? Y or N
Has client been contacted regarding non-conformances? Y or N If Y, ____/____ (Date / Time)

PM Initials: ____ Date: ____ Time: ____

(rev 3, 09/12/05)

BENCHSHEET

pH

Test Date: 10.17.06 Sample Date: 10.17.06 Analyst: DJ

Slope: 100.9 (Range: 92 to 102%)

Standards:

4.0 mg/L: Lot #: 1603735 Date Opened: 8/18/06

7.0 mg/L: Lot #: 1504752 Date Opened: 11/1/05

10.0 mg/L: Lot #: 1506586 Date Opened: 4/6/06

Sample	pH Units
CE-Composite	7.49
OWW-grab@ 1430	10.41

Notes: _____

_____

_____

Reference: 1. Standard Methods For The Examination of Water And Wastewater, 1998, 20th Edition, Section 4500-H^+B page 4-87.

DEI 13 Aug 2003

N:\ENVIRONMENTAL\FACLAB\WWTP\BENCH\PHB.DOC

BENCHSHEET

PHOSPHATES (PO_4)

Sample Date: 10.17.06 Analyst: D

Note: Rinse all glassware with 1:1 HCl before using.

1. 25 ml aliquot in 50 ml Erlenmeyer flask.
2. Add one Potassium Persulfate Pillow, Hach #2451. (Hach Lot # A6153)
3. Add 2 ml H_2SO_4, 5.25 N. Swirl. (Hach Lot # A6248)
4. Gently boil for 30 minutes.
5. Cool to room temperature
6. Add 2 ml NaOH, 5.0 N. Swirl. (Hach Lot # A6179)
7. Use Hach DR/4000 Method 8190, Phosphorous Reactive, Low Range: 0-2.500 mg/L, HACH Program 3025.
8. Hach PhosVer 3 Phosphate Reagent Powder Pillow Lot # A6153.
9. DR/4000 reading: CE: 0.236 mg/L MV-3: 0.700 mg/L

   Other Sample: _____ : _____ mg/L
10. Quality Control: Spike each sample with 0.020 ml of 500 mg/L Phosphate Standard. This should increase the concentration by 1.000 mg/L.

	CE mg/L	MV-3 mg/L	
After Spike Concentration:	1.136	1.713	
% Recovery:	90	101.3	

% Recovery acceptable range: 80 - 120%

Comments: _____

_____

_____

Notes: NPDES Permit Limits: Both CE and MV-3 each:
Daily Maximum = 15 mg/L; Monthly Average = 10 mg/L.

References:
1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 4500-P B&E. page 4-142
2. NPDES Permit #101128.

TJR 27 Nov 1991
DEI 29 Sep 2005 Revised

N:\ENVIRONMENTAL\FACLAB\WWTP\BENCH\PHOSPHAB10ML.DOC

SCOEPA00024502

BENCHSHEET

FLUORIDE ANALYSIS

Test Date: 10.17.06 Sample Date: 10.17.06 Analyst: DJ

Slope: -54.2 (Range: -54 to -60 mV)

Standards:

1.0 mg/L: Lot #: A6128 Date Opened: 9.14.06

10.0 mg/L: Lot #: A6132 Date Opened: 9.14.06

Data:

Sample	Fluoride, mg/L
CE	6.94

Quality Control: Spike each of the above samples with 0.1 ml of 1000 mg/L Standard. The Fluoride concentration should increase by 2.0 mg/L.
Manufacturer: RICCA
Lot Number: 1602023

	_ CE		
After Spike Concentration:	8.88 mg/L	_____ mg/L	_____ mg/L
Recovery:	97 %	_____ %	_____ %

% Recovery acceptable range: 80 - 120%

Comments: _____

_____

_____

Note: NPDES permit: monthly avg. 17.4 mg/L, daily max. 32 mg/L.

References: 1. Standard Methods For The Examination of Water And Wastewater, 1998 20th Edition, Section 4500-F C, page 4-81.
2. Orion Research Manual for the Fluoride Electrode, Model 940900, 1991.
3. NPDES Permit #101128.

TJR 06 Apr 1987
DEM 09 Mar 2004 Revised

SCOEPA00024503

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 10-17-06 Oven Temp: 104 C Analyst: DJ

Date In: 10-17-06 Time In/Out: 1020 / 1400

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0871	0.0871	0
2	CE	500	0.0902	0.0889	2.6
3	CE	500	0.0902	0.0886	3.2
				Average CE TSS	2.9
4	OWW	100	0.1036	0.0890	146
5	OWW	100	0.1024	0.0883	141
				Average OWW TSS	143.5
				Average TSS	
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 19 Oct 2005 Revised

N:\Environmental\FACLAB\WWTP\BENCH\TSSB.DOC

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, MS
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

kll:070

November 6, 2006

Oregon Department of Environmental Quality
Laboratory Division
1712 S.W. 11th Ave.
Portland, OR 97201

Dear Mr. Redman:

Attached is the response/corrective action that CH2M Hill has submitted to us in regards to the "not acceptable" test result for Ceriodaphnia dubia (test code 21) in the 2006 DMR-QA 26 study.

If you have any questions please feel free to contact me.

Thank you.

Best regards,

Koreen Lail
Environmental Engineer

Siltronic Corporation
NPDES permit #: OR0030589

Enc.

CH2M HILL
Analytical Services
2300 NW Walnut Blvd
Corvallis, OR
97330-3538
P.O. Box 428
Corvallis, OR
97339-0428
Tel 541.752.4271
Fax 541.752.0276

November 3, 2006

Subject: DMR/QA Study #26 Results

To Whom It May Concern:

If you participated in the EPA DMR/QA Toxicity Testing Study No. 26 (2006), the following information is of importance. CH2M HILL has been officially notified by ERA that our laboratory results for the *Ceriodaphnia dubia* chronic test at 25 °C (test code 21) IC_{25} endpoint was outside the reported DMR acceptable limits.

CH2M HILL's corrective action to the EPA/DMR Study 26 Test code 21 results included a system audit on the test procedures, sample preparation, test organism sensitivity, and general QA procedures. In this corrective action system audit, a transcription error was discovered with the reported value for the IC_{25} and the NOEC endpoints. The IC_{25} value and the NOEC value were inadvertently transposed on the reporting form, resulting in the not acceptable test results. The laboratory bench sheets and statistical output indicate that the correct NOEC and IC_{25} values were 50 and 38.3 percent, respectively. Both of these values were within the DMR acceptance range.

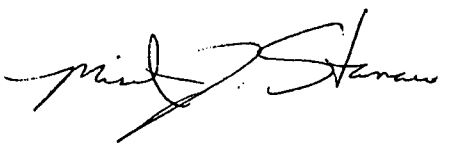
As a corrective action for all future DMR studies, the results data will be reviewed by CH2M HILL's QA officer prior to submittal to ERA.

Please forward this letter onto your state DMR coordinator and keep a copy on file.

Achieving the best possible quality in our data is a personal commitment on the part of all scientists of the CH2M HILL bioassay laboratory. Please call me at 541-768-3161 if you have any questions regarding the results of these tests. We are sorry for any inconvenience this has caused and thank you for your understanding in this matter.

Sincerely,

CH2M HILL



Mike Stanaway
Bioassay Laboratory Manager

Cc: Ginger Collins/CH2M HILL
Jeff Schut/CH2M HILL
Chris Redman/DEQ
Doug Drake/DEQ
Stewart Lombard/WDOE

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
2006	9	1	2006	9	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,286	3,801	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	7.2	7.6	Kg/day	--	2.0	2.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	12.7	17.4	Kg/day	--	3.6	5.2	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	0.004	0.005	Kg/day	--	0.001	0.002	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	30.0	35.7	Kg/day	--	8.3	9.4	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.4	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years).

Siltronic Corp by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 10 DAY 3

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
Chrome batches are no longer being treated on site. pH Excursion: NONE

SCOEPA00024508

PERMITTEE NAME/[illegible] (Include Facility Name/Location [illegible])

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT [illegible] ELIMINATION SYSTEM (NPDES)
DISCHARGE [illegible]TORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
2006	9	1	2006	9	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					1.8	7.6	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:
Karen [illegible] for Siltronic

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	06	10	3
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024509

PERMITTEE NAME/[illegible] (Include Facility Name/Location [illegible])

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT [illegible] ELIMINATION SYSTEM (NPDES)
DISCHARGE [illegible]TORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	9	1	TO	2006	9	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	237	564	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.6	0.7	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:
Koren Gail for Siltronic
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	06	10	3
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024510

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)
101128 PERMIT NUMBER
Outfall 003 DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD
FROM YEAR 2006 MO 9 DAY 1 (20-21) (22-23) (24-25)
TO YEAR 2006 MO 9 DAY 30 (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-69)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,516	4,191	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	77.0	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.40	7.34	7.95			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.

Siltronic Corp. by:
Koren Lail for Siltronic
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE 503 NUMBER 243-2020

DATE YEAR 06 MO 10 DAY 31

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024511

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

ER: 065.KLL

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

2006-October-03

September 2006 Industrial Discharge Report

Dear Mr. Dean,

Enclosed are the September 2006 monthly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Also enclosed are the quarterly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosures:
Special Account Meter Report Document
Industrial Wastewater Discharge Self-Monitoring Report

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 October 2006

SAMPLING PERIOD: September 2006

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	GRAB

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
TTOs (Volatiles)	EPA 8260B	N/A	N/A	1.37 mg/L	N/A	SEE CERTIFICATION STATEMENT BELOW

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	COMPOSITE

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
Arsenic (Total)	EPA 200.8	0.0016 mg/L	0.001 mg/L	0.2 mg/L	0.83 mg/L	
Total Suspended Solids	SM 2540D	166.5 mg/L	0.1 mg/L	N/A	N/A	

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to the control authority.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Sail for Siltronic Date: 10/3/2006

SCOEPA00024513

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 October 2006

SAMPLING PERIOD: September 2006

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE		pH METER BRAND			pH METER MODEL		pH Discharge Limits
#1B (Fab 2)		Orion			720A		5.0 - 11.5 S.U.
Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration Date	pH Meter Calibration Buffer used	COMMENTS
29 Sep 2006	0800	9.3 SU	YES	NO	29 Sep 2006	7.0 and 10.0	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
September 2006		No Excursions		YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Lee for Siltronic Date: 10/3/2006

N:\Environmental\FACLAB\WWTP\BES Monthly Reports\Monthly\September 2006.doc

SCOEPA00024514

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
503-219-7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

September-06

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	6,126	(100s of GALLONS)
CURRENT READING	109367	211,984	(100s of GALLONS)
CONSUMPTION	0	205,858	(100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	2,058,580	(10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	2,058,580	* 10 GAL / 7.48 GAL/CF =	2,752,112 CF
TOTAL THROUGH OVERFLOW	0	* 10 GAL / 7.48 GAL/CF =	0 CF
TOTAL CONSUMPTION			2,752,112 CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	2,089,290	(10s of GALLONS)
CURRENT READING	2,134,376	(10s of GALLONS)
CONSUMPTION	45,086	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	45,086	* 10 GAL / 7.48 GAL/CF=	60,275 CF

This meter reading was reported by: Dianne Irish for CJ Darr on 10/02/06
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024515

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PPIC169

CLIENT: Siltronic

INVOICE TO: Accts Payable

REPORT TO: Tom Rothschild
ADDRESS: 7200 NW Front Ave
Portland, OR
PHONE: 503-249-7374 FAX: 503-249-4144

P.O. NUMBER: 4500186654

PROJECT NAME:

PROJECT NUMBER:

SAMPLED BY:

TURNAROUND REQUEST in Business Days *

Organic & Inorganic Analyses: [X] STD [7] [5] [4] [3] [2] [1] [<1]

Petroleum Hydrocarbon Analyses: [5] STD [4] [3] [2] [1] [<1]

[OTHER] Specify:

* Turnaround Requests less than standard may incur Rush Charges

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: BOD	Cr(T)	608	624	625	As(T)	MATRIX (W, S, O)	# OF CONT	LOCATION COMMENTS	TA WO ID
1 06-77-CE-C	9-6-06 0630		X	X					W	2		
2 06-78-CE-G	9-6-06 0630				X	X	X		W	5		
3 06-79-OWW-C	9-6-06 0630							X	W	1		
4												
5												
6												
7												
8												
9												
10												

RELEASED BY: Dianne Irish
PRINT NAME: Dianne Irish FIRM: Siltronic DATE: 9-6-06 TIME: 13:12

RECEIVED BY: Bob F
PRINT NAME: Bob F FIRM: TAP DATE: 9/6/06 TIME: 13:13

RELEASED BY:
PRINT NAME: FIRM: DATE: TIME:

RECEIVED BY:
PRINT NAME: FIRM: DATE: 9/6 TIME: 13:57

ADDITIONAL REMARKS:

TEMP:

COC REV 05 2006

PAGE OF

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and for any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice unless otherwise contracted. Sample(s) will be disposed of after 30 days unless otherwise contracted.

5.9

SCOEPA00024516

Non-Conformances?
Circle Y or N
(If Y, see other side)

TEST AMERICA SAMPLE RECEIPT CHECKLIST

Received By: (applies to temp at receipt)
Date: 9/6/06
Time: 1342
Initials: [illegible]

Logged-in By:
Date: 9/6
Initials: [illegible]

Unpacked/Labeled By:
Date: 9/6
Initials: [illegible]

Cooler ID: ____ (___ of ___)

Work Order No. PPI0153
Client: Siltronics
Project: _____

Container Type:
1 Cooler
___ Box
___ None/Other _____

COC Seals:
___ Ship. Container
___ On Bottles
___ None
_____ Sign By
_____ Date

Packing Material
___ Bubble Bags
___ Styrofoam
___ Foam Packs
___ None/Other Other bagged

Refrigerant:
___ Gel Ice Pack _____
X Loose Ice
___ None/Other _____
___ None

Received Via: Bill#
___ Fed Ex
___ UPS
___ DHL
___ Senvoy
___ GS
___ Client
X NCA Courier
___ Mid Valley
___ TDP
___ Other _____

Cooler Temperature (IR): 5.4 °C Plastic Glass (circle one) (Frozen filters, Tediars and aqueous Metals exempt)

Temperature Blank? _____ °C or NA

Trip Blank? Y or N or NA

Sample Containers:

		ID			ID
Intact?	Y or N		Metals Preserved?	Y or N or NA	[illegible]
Provided by NCA?	Y or N		Client QAPP Preserved?	Y or N or NA	
Correct Type?	Y or N		Adequate Volume? (for tests requested)	Y or N	
#Containers match COC?	Y or N		Water VOAs. Headspace?	Y or N or NA	
IDs/time/date match COC?	Y or N		Comments:		
Hold Times in hold?	Y or N				

PROJECT MANAGEMENT

Is the Chain of Custody complete? Y or N If N, circle the items that were incomplete

Comments,Problems _____

Total access set up? Y or N
Has client been contacted regarding non-conformances? Y or N If Y ____/____ Date Time

PM Initials: _____ Date: _____ Time: _____

(rev 3 09/12/05)

SCOEPA00024517

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

September 20, 2006

Thomas Rothschild
Siltronic
7200 N.W. Front Ave
Portland, OR 97210

RE: Wastewater

Enclosed are the results of analyses for samples received by the laboratory on 09/06/06 13:57. The following list is a summary of the Work Orders contained in this report, generated on 09/20/06 19:38.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
PPI0153	Wastewater	PO# 4500186654

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024518

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
06-77-CE-C	PPI0153-01	Water	09/06/06 06:30	09/06/06 13:57
06-78-CE-g	PPI0153-02	Water	09/06/06 06:30	09/06/06 13:57
06-79-OWW-C	PPI0153-03	Water	09/06/06 06:30	09/06/06 13:57

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024519

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Organochlorine Pesticides and PCBs per EPA Method 608

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI0153-02 (06-78-CE-g)		**Water**				**Sampled: 09/06/06 06:30**				
Aldrin	EPA 608	ND	-----	0.0952	ug/l	1x	6090325	09/08/06 18:20	09/14/06 20:34	
alpha-BHC	"	ND	-----	0.0952	"	"	"	"	"	
beta-BHC	"	ND	-----	0.0952	"	"	"	"	"	
delta-BHC	"	ND	-----	0.0952	"	"	"	"	"	
gamma-BHC (Lindane)	"	ND	-----	0.0952	"	"	"	"	"	
Chlordane (tech)	"	ND	-----	4.76	"	"	"	"	"	
alpha-Chlordane	"	ND	-----	0.0952	"	"	"	"	"	
gamma-Chlordane	"	ND	-----	0.0952	"	"	"	"	"	
4,4'-DDD	"	ND	-----	0.0952	"	"	"	"	"	
4,4'-DDE	"	ND	-----	0.0952	"	"	"	"	"	
4,4'-DDT	"	ND	-----	0.0952	"	"	"	"	"	
Dieldrin	"	ND	-----	0.0952	"	"	"	"	"	
Endosulfan I	"	ND	-----	0.0952	"	"	"	"	"	
Endosulfan II	"	ND	-----	0.0952	"	"	"	"	"	
Endosulfan sulfate	"	ND	-----	0.0952	"	"	"	"	"	
Endrin	"	ND	-----	0.0952	"	"	"	"	"	
Endrin aldehyde	"	ND	-----	0.0952	"	"	"	"	"	
Heptachlor	"	ND	-----	0.0952	"	"	"	"	"	
Heptachlor epoxide	"	ND	-----	0.0952	"	"	"	"	"	
Methoxychlor	"	ND	-----	0.0952	"	"	"	"	"	
Toxaphene	"	ND	-----	4.76	"	"	"	"	"	
Aroclor 1016	"	ND	-----	0.476	"	"	"	"	09/13/06 21:25	
Aroclor 1221	"	ND	-----	0.952	"	"	"	"	"	
Aroclor 1232	"	ND	-----	0.476	"	"	"	"	"	
Aroclor 1242	"	ND	-----	0.476	"	"	"	"	"	
Aroclor 1248	"	ND	-----	0.476	"	"	"	"	"	
Aroclor 1254	"	ND	-----	0.476	"	"	"	"	"	
Aroclor 1260	"	ND	-----	0.476	"	"	"	"	"	
Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene		*75.8%*			*16 - 137 %*	"			*09 14 06 20:34*	
Decachlorobiphenyl		*51.3%*			*12 - 130 %*	"			*09 13 06 21:25*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024520

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI0153-02 (06-78-CE-g)		**Water**			**Sampled: 09/06/06 06:30**					
Acenaphthene	EPA 625	ND	-----	4.85	ug/l	1x	6090324	09/08/06 16:30	09/13/06 05:58	
Acenaphthylene	"	ND	-----	4.85	"	"	"	"	"	
Anthracene	"	ND	-----	4.85	"	"	"	"	"	
Benzidine	"	ND	-----	58.3	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	4.85	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	4.85	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	4.85	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	4.85	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	4.85	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	4.85	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	4.85	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	4.85	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	9.71	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	4.85	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	9.71	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	4.85	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	4.85	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	4.85	"	"	"	"	"	
Chrysene	"	ND	-----	4.85	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	4.85	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	4.85	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	4.85	"	"	"	"	"	
1,2 Diphenylhydrazine (as Azobenzene)	"	ND	-----	4.85	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	4.85	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	4.85	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	4.85	"	"	"	"	"	
3,3'-Dichlorobenzidine	"	ND	-----	4.85	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	4.85	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	4.85	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	9.71	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	4.85	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	9.71	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	24.3	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	4.85	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	4.85	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	9.71	"	"	"	"	"	
Fluoranthene	"	ND	-----	4.85	"	"	"	"	"	
Fluorene	"	ND	-----	4.85	"	"	"	"	"	
Hexachlorobenzene	"	ND	-----	4.85	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	9.71	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	9.71	"	"	"	"	"	
Hexachloroethane	"	ND	-----	9.71	"	"	"	"	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024521

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI0153-02 (06-78-CE-g)		**Water**			**Sampled: 09/06/06 06:30**					
Indeno (1,2,3-cd) pyrene	EPA 625	ND	-----	4.85	ug/l	1x	6090324	09/08/06 16:30	09/13/06 05:58	
Isophorone	"	ND	-----	4.85	"	"	"	"	"	
Naphthalene	"	ND	-----	4.85	"	"	"	"	"	
Nitrobenzene	"	ND	-----	4.85	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	4.85	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	24.3	"	"	"	"	"	
N-Nitrosodimethylamine	"	ND	-----	4.85	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	9.71	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	4.85	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	9.71	"	"	"	"	"	
Phenanthrene	"	ND	-----	4.85	"	"	"	"	"	
Phenol	"	ND	-----	4.85	"	"	"	"	"	
Pyrene	"	ND	-----	4.85	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.85	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	4.85	"	"	"	"	"	
Surrogate(s): *2-Fluorobiphenyl*		*54.9%*			*20 - 120 %*	"			"	
2-Fluorophenol		*50.7%*			*10 - 120 %*	"			"	
Nitrobenzene-d5		*61.5%*			*25 - 130 %*	"			"	
Phenol-d6		*57.2%*			*10 - 120 %*	"			"	
p-Terphenyl-d14		*79.9%*			*35 - 130 %*	"			"	
2,4,6-Tribromophenol		*74.0%*			*20 - 130 %*	"			"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024522

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Conventional Chemistry Parameters per APHA/EPA Methods

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI0153-01 (06-77-CE-C)		**Water**				**Sampled: 09/06/06 06:30**				
Biochemical Oxygen Demand	EPA 405.1	ND	-----	4.00	mg/l	1x	6090289	09/07/06 18:09	09/12/06 14:00	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024523

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Total Metals by EPA 200 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI0153-01 (06-77-CE-C)		**Water**				**Sampled: 09/06/06 06:30**				
Chromium	EPA 200.8	**0.00163**	-----	0.00100	mg/l	1x	6113055	09/13/06 17:53	09/15/06 16:05	
PPI0153-03 (06-79-OWW-C)		**Water**				**Sampled: 09/06/06 06:30**				
Arsenic	EPA 200.8	**0.00116**	-----	0.00100	mg/l	1x	6113055	09/13/06 17:53	09/15/06 16:46	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024524

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Purgeables by EPA Method 624

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI0153-02 (06-78-CE-g)		**Water**			**Sampled: 09/06/06 06:30**					
Acrolein	EPA 624	ND	-----	5.00	ug/l	1x	6112035	09/12/06 13:54	09/12/06 21:44	
Acrylonitrile	"	ND	-----	5.00	"	"	"	"	"	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	2.00	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	Q-41
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	**3.94**	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	Q-41
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4			*106%*		*70 - 130 %*	"			"	
Toluene-d8			*101%*		*70 - 130 %*	"			"	
4-BFB			*100%*		*70 - 130 %*	"			"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024525

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Organochlorine Pesticides and PCBs per EPA Method 608 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090325 **Water Preparation Method: EPA 3510/600 Series**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6090325-BLK1)									Extracted: 09/08/06 18:20					
Aldrin	EPA 608	ND	---	0.100	ug/l	1x	--	--	--	--	--	--	09/14/06 18:28	
alpha-BHC	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
beta-BHC	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
delta-BHC	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
gamma-BHC (Lindane)	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chlordane (tech)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
alpha-Chlordane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
gamma-Chlordane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
4,4'-DDD	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
4,4'-DDE	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
4,4'-DDT	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Dieldrin	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Endosulfan I	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Endosulfan II	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Endosulfan sulfate	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Endrin	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Endrin aldehyde	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Heptachlor	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Heptachlor epoxide	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Methoxychlor	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Toxaphene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Aroclor 1016	"	ND	---	0.500	"	"	--	--	--	--	--	--	09/13/06 17:26	
Aroclor 1221	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Aroclor 1232	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Aroclor 1242	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Aroclor 1248	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Aroclor 1254	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Aroclor 1260	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene		*Recovery: 79.8%*			*Limits: 16-137%*	"							*09 14 06 18:28*	
Decachlorobiphenyl			*62.0%*			*12-130%*	"						*09 13 06 17:26*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024526

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Organochlorine Pesticides and PCBs per EPA Method 608 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090325 **Water Preparation Method: EPA 3510/600 Series**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6090325-BS1)									Extracted: 09/08/06 18:20					
Aldrin	EPA 608	0.416	---	0.100	ug/l	1x	--	0.500	83.2%	(42-122)	--	--	09/14/06 18:53	
gamma-BHC (Lindane)	"	0.424	---	0.100	"	"	--	"	84.8%	(32-127)	--	--	"	
4,4'-DDT	"	0.417	---	0.100	"	"	--	"	83.4%	(25-160)	--	--	"	
Dieldrin	"	0.427	---	0.100	"	"	--	"	85.4%	(36-146)	--	--	"	
Endrin	"	0.438	---	0.100	"	"	--	"	87.6%	(30-147)	--	--	"	
Heptachlor	"	0.431	---	0.100	"	"	--	"	86.2%	(34-111)	--	--	"	
Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene		*Recovery: 76.4%*			*Limits: 16-137%*	"							*09 14 06 18:53*	
Decachlorobiphenyl			*67.0%*		*12-130%*	"							"	
LCS (6090325-BS2)									Extracted: 09/08/06 18:20					
Aroclor 1016	EPA 608	4.44	---	0.500	ug/l	1x	--	5.00	88.8%	(50-114)	--	--	09/13/06 17:45	
Aroclor 1260	"	4.12	---	0.500	"	"	--	"	82.4%	(8-127)	--	--	"	
Surrogate(s): Decachlorobiphenyl		*Recovery: 75.6%*			*Limits: 12-130%*	"							*09 13 06 17:45*	
LCS Dup (6090325-BSD1)									Extracted: 09/08/06 18:20					
Aldrin	EPA 608	0.461	---	0.100	ug/l	1x	--	0.500	92.2%	(42-122)	10.3%	(22)	09/14/06 19:18	
gamma-BHC (Lindane)	"	0.458	---	0.100	"	"	--	"	91.6%	(32-127)	7.71%	"	"	
4,4'-DDT	"	0.460	---	0.100	"	"	--	"	92.0%	(25-160)	9.81%	"	"	
Dieldrin	"	0.459	---	0.100	"	"	--	"	91.8%	(36-146)	7.22%	"	"	
Endrin	"	0.490	---	0.100	"	"	--	"	98.0%	(30-147)	11.2%	"	"	
Heptachlor	"	0.471	---	0.100	"	"	--	"	94.2%	(34-111)	8.87%	"	"	
Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene		*Recovery: 89.8%*			*Limits: 16-137%*	"							*09 14 06 19:18*	
Decachlorobiphenyl			*68.8%*		*12-130%*	"							"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024527

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090324 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6090324-BLK1)								Extracted: 09/08/06 16:30						
Acenaphthene	EPA 625	ND	---	5.00	ug/l	1x	--	--	--	--	--	--	09/12/06 23:06	
Acenaphthylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzidine	"	ND	---	60.0	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Bromophenyl phenyl ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Butyl benzyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chloro-3-methylphenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethoxy)methane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethyl)ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bis(2-chloroisopropyl)ether	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Chloronaphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chlorophenyl phenyl ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Di-n-butyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Di-n-octyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2 Diphenylhydrazine (as Azobenzene)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
3,3'-Dichlorobenzidine	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4-Dichlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Diethyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4-Dimethylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Dimethyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4,6-Dinitro-2-methylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2,4-Dinitrophenol	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
2,4-Dinitrotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,6-Dinitrotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bis(2-ethylhexyl)phthalate	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Hexachlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian L Cone

Brian Cone, Industrial Services Manager

SCOEPA00024528

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090324 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6090324-BLK1)								Extracted: 09/08/06 16:30						
Hexachlorobutadiene	EPA 625	ND	---	10.0	ug/l	1x	--	--	--	--	--	--	09/12/06 23:06	
Hexachlorocyclopentadiene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Hexachloroethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Isophorone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Nitrobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Nitrophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Nitrophenol	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
N-Nitrosodimethylamine	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
N-Nitrosodi-n-propylamine	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
N-Nitrosodiphenylamine	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Pentachlorophenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Phenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4,6-Trichlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-Fluorobiphenyl		*Recovery: 62.9%*			*Limits: 20-120%*	"							*09 12 06 23:06*	
2-Fluorophenol		*73.3%*			*10-120%*	"							"	
Nitrobenzene-d5		*80.9%*			*25-130%*	"							"	
Phenol-d6		*80.0%*			*10-120%*	"							"	
p-Terphenyl-d14		*85.5%*			*35-130%*	"							"	
2,4,6-Tribromophenol		*76.7%*			*20-130%*	"							"	
LCS (6090324-BS1)								Extracted: 09/08/06 16:30						
Acenaphthene	EPA 625	42.8	---	5.00	ug/l	1x	--	50.0	85.6%	(45-145)	--	--	09/12/06 20:50	
Acenaphthylene	"	37.8	---	5.00	"	"	--	"	75.6%	(30-145)	--	--	"	
Anthracene	"	41.8	---	5.00	"	"	--	"	83.6%	(25-135)	--	--	"	
Benzidine	"	38.0	---	60.0	"	"	--	40.0	95.0%	(0-169)	--	--	"	Q-31
Benzo (a) anthracene	"	42.6	---	5.00	"	"	--	50.0	85.2%	(30-145)	--	--	"	
Benzo (a) pyrene	"	40.7	---	5.00	"	"	--	"	81.4%	(15-150)	--	--	"	
Benzo (b) fluoranthene	"	41.6	---	5.00	"	"	--	"	83.2%	(20-150)	--	--	"	
Benzo (ghi) perylene	"	43.2	---	5.00	"	"	--	"	86.4%	(10-150)	--	--	"	
Benzo (k) fluoranthene	"	37.6	---	5.00	"	"	--	"	75.2%	"	--	--	"	
4-Bromophenyl phenyl ether	"	43.4	---	5.00	"	"	--	"	86.8%	(50-130)	--	--	"	
Butyl benzyl phthalate	"	42.3	---	5.00	"	"	--	"	84.6%	(10-150)	--	--	"	
4-Chloro-3-methylphenol	"	41.9	---	5.00	"	"	--	"	83.8%	(20-150)	--	--	"	
Bis(2-chloroethoxy)methane	"	43.7	---	10.0	"	"	--	"	87.4%	(30-150)	--	--	"	
Bis(2-chloroethyl)ether	"	39.4	---	5.00	"	"	--	"	78.8%	(10-150)	--	--	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024529

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090324 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6090324-BS1)								Extracted: 09/08/06 16:30						
Bis(2-chloroisopropyl)ether	EPA 625	42.0	---	10.0	ug/l	1x	--	50.0	84.0%	(35-150)	--	--	09/12/06 20:50	
2-Chloronaphthalene	"	43.3	---	5.00	"	"	--	"	86.6%	(60-120)	--	--	"	
2-Chlorophenol	"	41.8	---	5.00	"	"	--	"	83.6%	(20-135)	--	--	"	
4-Chlorophenyl phenyl ether	"	48.4	---	5.00	"	"	--	"	96.8%	(25-150)	--	--	"	
Chrysene	"	42.8	---	5.00	"	"	--	"	85.6%	(15-150)	--	--	"	
Di-n-butyl phthalate	"	43.3	---	5.00	"	"	--	"	86.6%	(10-120)	--	--	"	
Di-n-octyl phthalate	"	45.2	---	5.00	"	"	--	"	90.4%	(10-150)	--	--	"	
Dibenzo (a,h) anthracene	"	42.6	---	5.00	"	"	--	"	85.2%	"	--	--	"	
1,2 Diphenylhydrazine (as Azobenzene)	"	45.1	---	5.00	"	"	--	"	90.2%	"	--	--	"	
1,2-Dichlorobenzene	"	35.6	---	5.00	"	"	--	"	71.2%	(10-130)	--	--	"	
1,3-Dichlorobenzene	"	34.0	---	5.00	"	"	--	"	68.0%	(10-150)	--	--	"	
1,4-Dichlorobenzene	"	33.9	---	5.00	"	"	--	"	67.8%	(10-125)	--	--	"	
3,3'-Dichlorobenzidine	"	52.2	---	5.00	"	"	--	40.0	130%	(10-150)	--	--	"	
2,4-Dichlorophenol	"	43.6	---	5.00	"	"	--	50.0	87.2%	(35-135)	--	--	"	
Diethyl phthalate	"	43.6	---	5.00	"	"	--	"	87.2%	(10-115)	--	--	"	
2,4-Dimethylphenol	"	32.0	---	10.0	"	"	--	"	64.0%	(30-120)	--	--	"	
Dimethyl phthalate	"	42.6	---	5.00	"	"	--	"	85.2%	(10-115)	--	--	"	
4,6-Dinitro-2-methylphenol	"	46.6	---	10.0	"	"	--	"	93.2%	(10-150)	--	--	"	
2,4-Dinitrophenol	"	40.4	---	25.0	"	"	--	"	80.8%	"	--	--	"	
2,4-Dinitrotoluene	"	41.8	---	5.00	"	"	--	"	83.6%	(35-140)	--	--	"	
2,6-Dinitrotoluene	"	44.2	---	5.00	"	"	--	"	88.4%	(50-150)	--	--	"	
Bis(2-ethylhexyl)phthalate	"	44.3	---	10.0	"	"	--	"	88.6%	(10-150)	--	--	"	
Fluoranthene	"	42.4	---	5.00	"	"	--	"	84.8%	(25-140)	--	--	"	
Fluorene	"	47.2	---	5.00	"	"	--	"	94.4%	(55-125)	--	--	"	
Hexachlorobenzene	"	43.4	---	5.00	"	"	--	"	86.8%	(10-150)	--	--	"	
Hexachlorobutadiene	"	41.5	---	10.0	"	"	--	"	83.0%	(10-120)	--	--	"	
Hexachlorocyclopentadiene	"	19.0	---	10.0	"	"	--	"	38.0%	(10-150)	--	--	"	
Hexachloroethane	"	35.3	---	10.0	"	"	--	"	70.6%	(10-115)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	43.6	---	5.00	"	"	--	"	87.2%	(10-150)	--	--	"	
Isophorone	"	39.9	---	5.00	"	"	--	"	79.8%	(20-150)	--	--	"	
Naphthalene	"	40.1	---	5.00	"	"	--	"	80.2%	(20-135)	--	--	"	
Nitrobenzene	"	40.7	---	5.00	"	"	--	"	81.4%	(35-150)	--	--	"	
2-Nitrophenol	"	41.8	---	5.00	"	"	--	"	83.6%	(25-150)	--	--	"	
4-Nitrophenol	"	40.2	---	25.0	"	"	--	"	80.4%	(10-135)	--	--	"	
N-Nitrosodimethylamine	"	42.1	---	5.00	"	"	--	"	84.2%	(10-150)	--	--	"	
N-Nitrosodi-n-propylamine	"	40.8	---	10.0	"	"	--	"	81.6%	"	--	--	"	
N-Nitrosodiphenylamine	"	43.3	---	5.00	"	"	--	"	86.6%	"	--	--	"	
Pentachlorophenol	"	49.4	---	10.0	"	"	--	"	98.8%	"	--	--	"	
Phenanthrene	"	43.6	---	5.00	"	"	--	"	87.2%	(50-120)	--	--	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024530

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090324 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6090324-BS1)								**Extracted: 09/08/06 16:30**						
Phenol	EPA 625	39.4	---	5.00	ug/l	1x	--	50.0	78.8%	(10-115)	--	--	09/12/06 20:50	
Pyrene	"	42.7	---	5.00	"	"	--	"	85.4%	(50-125)	--	--	"	
1,2,4-Trichlorobenzene	"	39.7	---	5.00	"	"	--	"	79.4%	(10-145)	--	--	"	
2,4,6-Trichlorophenol	"	43.3	---	5.00	"	"	--	"	86.6%	(35-145)	--	--	"	
Surrogate(s): 2-Fluorobiphenyl		*Recovery: 70.4%*			*Limits: 20-120%*	"							*09/12/06 20:50*	
2-Fluorophenol		*64.5%*			*10-120%*	"							"	
Nitrobenzene-d5		*79.1%*			*25-130%*	"							"	
Phenol-d6		*71.3%*			*10-120%*	"							"	
p-Terphenyl-d14		*80.5%*			*35-130%*	"							"	
2,4,6-Tribromophenol		*80.0%*			*20-130%*	"							"	
LCS Dup (6090324-BSD1)								**Extracted: 09/08/06 16:30**						
Acenaphthene	EPA 625	43.0	---	5.00	ug/l	1x	--	50.0	86.0%	(45-145)	0.466%	(50)	09/12/06 21:35	
Acenaphthylene	"	38.0	---	5.00	"	"	--	"	76.0%	(30-145)	0.528%	"	"	
Anthracene	"	42.4	---	5.00	"	"	--	"	84.8%	(25-135)	1.43%	"	"	
Benzidine	"	43.3	---	60.0	"	"	--	40.0	108%	(0-169)	13.0%	"	"	Q-31
Benzo (a) anthracene	"	43.9	---	5.00	"	"	--	50.0	87.8%	(30-145)	3.01%	"	"	
Benzo (a) pyrene	"	42.5	---	5.00	"	"	--	"	85.0%	(15-150)	4.33%	"	"	
Benzo (b) fluoranthene	"	42.1	---	5.00	"	"	--	"	84.2%	(20-150)	1.19%	"	"	
Benzo (ghi) perylene	"	42.8	---	5.00	"	"	--	"	85.6%	(10-150)	0.930%	"	"	
Benzo (k) fluoranthene	"	40.2	---	5.00	"	"	--	"	80.4%	"	6.68%	"	"	
4-Bromophenyl phenyl ether	"	44.9	---	5.00	"	"	--	"	89.8%	(50-130)	3.40%	"	"	
Butyl benzyl phthalate	"	44.8	---	5.00	"	"	--	"	89.6%	(10-150)	5.74%	"	"	
4-Chloro-3-methylphenol	"	43.3	---	5.00	"	"	--	"	86.6%	(20-150)	3.29%	"	"	
Bis(2-chloroethoxy)methane	"	44.4	---	10.0	"	"	--	"	88.8%	(30-150)	1.59%	"	"	
Bis(2-chloroethyl)ether	"	40.3	---	5.00	"	"	--	"	80.6%	(10-150)	2.26%	"	"	
Bis(2-chloroisopropyl)ether	"	43.6	---	10.0	"	"	--	"	87.2%	(35-150)	3.74%	"	"	
2-Chloronaphthalene	"	42.9	---	5.00	"	"	--	"	85.8%	(60-120)	0.928%	"	"	
2-Chlorophenol	"	43.6	---	5.00	"	"	--	"	87.2%	(20-135)	4.22%	"	"	
4-Chlorophenyl phenyl ether	"	49.6	---	5.00	"	"	--	"	99.2%	(25-150)	2.45%	"	"	
Chrysene	"	44.7	---	5.00	"	"	--	"	89.4%	(15-150)	4.34%	"	"	
Di-n-butyl phthalate	"	45.7	---	5.00	"	"	--	"	91.4%	(10-120)	5.39%	"	"	
Di-n-octyl phthalate	"	48.5	---	5.00	"	"	--	"	97.0%	(10-150)	7.04%	"	"	
Dibenzo (a,h) anthracene	"	43.4	---	5.00	"	"	--	"	86.8%	"	1.86%	"	"	
1,2-Dichlorobenzene	"	38.2	---	5.00	"	"	--	"	76.4%	(10-130)	7.05%	"	"	
1,2 Diphenylhydrazine (as Azobenzene)	"	46.0	---	5.00	"	"	--	"	92.0%	(10-150)	1.98%	"	"	
1,3-Dichlorobenzene	"	37.4	---	5.00	"	"	--	"	74.8%	"	9.52%	"	"	
1,4-Dichlorobenzene	"	37.1	---	5.00	"	"	--	"	74.2%	(10-125)	9.01%	"	"	
3,3'-Dichlorobenzidine	"	54.8	---	5.00	"	"	--	40.0	137%	(10-150)	4.86%	"	"	
2,4-Dichlorophenol	"	44.7	---	5.00	"	"	--	50.0	89.4%	(35-135)	2.49%	"	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024531

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090324 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (6090324-BSD1)								**Extracted: 09/08/06 16:30**						
Diethyl phthalate	EPA 625	44.9	---	5.00	ug/l	1x	--	50.0	89.8%	(10-115)	2.94%	(50)	09/12/06 21:35	
2,4-Dimethylphenol	"	31.2	---	10.0	"	"	--	"	62.4%	(30-120)	2.53%	"	"	
Dimethyl phthalate	"	43.5	---	5.00	"	"	--	"	87.0%	(10-115)	2.09%	"	"	
4,6-Dinitro-2-methylphenol	"	47.7	---	10.0	"	"	--	"	95.4%	(10-150)	2.33%	"	"	
2,4-Dinitrophenol	"	41.8	---	25.0	"	"	--	"	83.6%	"	3.41%	"	"	
2,4-Dinitrotoluene	"	43.3	---	5.00	"	"	--	"	86.6%	(35-140)	3.53%	"	"	
2,6-Dinitrotoluene	"	44.8	---	5.00	"	"	--	"	89.6%	(50-150)	1.35%	"	"	
Bis(2-ethylhexyl)phthalate	"	47.0	---	10.0	"	"	--	"	94.0%	(10-150)	5.91%	"	"	
Fluoranthene	"	44.6	---	5.00	"	"	--	"	89.2%	(25-140)	5.06%	"	"	
Fluorene	"	48.5	---	5.00	"	"	--	"	97.0%	(55-125)	2.72%	"	"	
Hexachlorobenzene	"	44.1	---	5.00	"	"	--	"	88.2%	(10-150)	1.60%	"	"	
Hexachlorobutadiene	"	43.0	---	10.0	"	"	--	"	86.0%	(10-120)	3.55%	"	"	
Hexachlorocyclopentadiene	"	19.3	---	10.0	"	"	--	"	38.6%	(10-150)	1.57%	"	"	
Hexachloroethane	"	38.0	---	10.0	"	"	--	"	76.0%	(10-115)	7.37%	"	"	
Indeno (1,2,3-cd) pyrene	"	43.2	---	5.00	"	"	--	"	86.4%	(10-150)	0.922%	"	"	
Isophorone	"	40.6	---	5.00	"	"	--	"	81.2%	(20-150)	1.74%	"	"	
Naphthalene	"	41.4	---	5.00	"	"	--	"	82.8%	(20-135)	3.19%	"	"	
Nitrobenzene	"	41.6	---	5.00	"	"	--	"	83.2%	(35-150)	2.19%	"	"	
2-Nitrophenol	"	42.6	---	5.00	"	"	--	"	85.2%	(25-150)	1.90%	"	"	
4-Nitrophenol	"	41.8	---	25.0	"	"	--	"	83.6%	(10-135)	3.90%	"	"	
N-Nitrosodimethylamine	"	42.1	---	5.00	"	"	--	"	84.2%	(10-150)	0.00%	"	"	
N-Nitrosodi-n-propylamine	"	42.2	---	10.0	"	"	--	"	84.4%	"	3.37%	"	"	
N-Nitrosodiphenylamine	"	44.8	---	5.00	"	"	--	"	89.6%	"	3.41%	"	"	
Pentachlorophenol	"	49.8	---	10.0	"	"	--	"	99.6%	"	0.806%	"	"	
Phenanthrene	"	44.6	---	5.00	"	"	--	"	89.2%	(50-120)	2.27%	"	"	
Phenol	"	42.4	---	5.00	"	"	--	"	84.8%	(10-115)	7.33%	"	"	
Pyrene	"	44.6	---	5.00	"	"	--	"	89.2%	(50-125)	4.35%	"	"	
1,2,4-Trichlorobenzene	"	41.2	---	5.00	"	"	--	"	82.4%	(10-145)	3.71%	"	"	
2,4,6-Trichlorophenol	"	43.7	---	5.00	"	"	--	"	87.4%	(35-145)	0.920%	"	"	

Surrogate(s):	*2-Fluorobiphenyl*	*Recovery: 71.5%*	*Limits: 20-120%*	"	*09 12 06 21:35*
	2-Fluorophenol	*66.3%*	*10-120%*	"	"
	Nitrobenzene-d5	*74.1%*	*25-130%*	"	"
	Phenol-d6	*73.3%*	*10-120%*	"	"
	p-Terphenyl-d14	*84.5%*	*35-130%*	"	"
	2,4,6-Tribromophenol	*82.0%*	*20-130%*	"	"

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024532

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Conventional Chemistry Parameters per APHA/EPA Methods - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090289 **Water Preparation Method: General Preparation**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6090289-BLK1)								Extracted: 09/07/06 18:09						
Biochemical Oxygen Demand	EPA 405.1	ND	---	4.00	mg/l	1x	--	--	--	--	--	--	09/12/06 14:00	
LCS (6090289-BS1)								Extracted: 09/07/06 18:09						
Biochemical Oxygen Demand	EPA 405.1	192	---	4.00	mg/l	1x	--	198	97.0%	(80-130)	--	--	09/12/06 14:00	
Duplicate (6090289-DUP1)							QC Source: PPI0115-01						Extracted: 09/07/06 18:09	
Biochemical Oxygen Demand	EPA 405.1	363	---	4.00	mg/l	1x	323	--	--	--	11.7%	(40)	09/12/06 14:00	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024533

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Total Metals by EPA 200 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6113055 **Water Preparation Method: EPA 200 Series**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6113055-BLK1)								Extracted: 09/13/06 17:53						
Chromium	EPA 200.8	ND	---	0.00100	mg/l	1x	--	--	--	--	--	--	09/15/06 15:42	
Arsenic	"	ND	---	0.00100	"	"	--	--	--	--	--	--	"	
LCS (6113055-BS1)								Extracted: 09/13/06 17:53						
Chromium	EPA 200.8	0.0784	---	0.00100	mg/l	1x	--	0.0800	98.0%	(85-115)	--	--	09/15/06 15:48	
Arsenic	"	0.0769	---	0.00100	"	"	--	"	96.1%	"	--	--	"	
Duplicate (6113055-DUP1)					QC Source: PPI0153-01			Extracted: 09/13/06 17:53						
Chromium	EPA 200.8	0.00174	---	0.00100	mg/l	1x	0.00163	--	--	--	6.53%	(20)	09/15/06 15:59	
Arsenic	"	0.00164	---	0.00100	"	"	0.00175	--	--	--	6.49%	"	"	
Matrix Spike (6113055-MS1)					QC Source: PPI0153-01			Extracted: 09/13/06 17:53						
Chromium	EPA 200.8	0.0810	---	0.00100	mg/l	1x	0.00163	0.0800	99.2%	(75-125)	--	--	09/15/06 15:54	
Arsenic	"	0.0805	---	0.00100	"	"	0.00175	"	98.4%	"	--	--	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024534

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Purgeables by EPA Method 624 - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6112035 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6112035-BLK1)								Extracted: 09/12/06 11:54						
Acetone	EPA 624	ND	---	10.0	ug/l	1x	--	--	--	--	--	--	09/12/06 14:59	
Acetonitrile	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Acrolein	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Acrylonitrile	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	Q-41
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Chloroethylvinyl ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	Q-41
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024535

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Purgeables by EPA Method 624 - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I12035 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I12035-BLK1)													Extracted: 09/12/06 11:54	
Tetrachloroethene	EPA 624	ND	---	1.00	ug/l	1x	--	--	--	--	--	--	09/12/06 14:59	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	Q-41
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Vinyl acetate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 108%*			*Limits: 70-130%*	"							*09 12 06 14:59*	
Toluene-d8		*97.5%*			*70-130%*	"							"	
4-BFB		*100%*			*70-130%*	"							"	
LCS (6I12035-BS1)													Extracted: 09/12/06 11:54	
Acetone	EPA 624	174	---	10.0	ug/l	1x	--	200	87.0%	(70-130)	--	--	09/12/06 13:30	
Benzene	"	17.8	---	1.00	"	"	--	20.0	89.0%	(75-125)	--	--	"	
Bromodichloromethane	"	20.3	---	1.00	"	"	--	"	102%	"	--	--	"	
Bromoform	"	19.7	---	1.00	"	"	--	"	98.5%	"	--	--	"	
Bromomethane	"	20.3	---	2.00	"	"	--	"	102%	"	--	--	"	
2-Butanone	"	171	---	10.0	"	"	--	200	85.5%	(70-130)	--	--	"	
Carbon disulfide	"	19.2	---	1.00	"	"	--	20.0	96.0%	"	--	--	"	
Carbon tetrachloride	"	23.6	---	1.00	"	"	--	"	118%	(75-125)	--	--	"	Q-41
Chlorobenzene	"	19.4	---	1.00	"	"	--	"	97.0%	"	--	--	"	
Chloroethane	"	19.0	---	1.00	"	"	--	"	95.0%	"	--	--	"	
Chloroform	"	19.2	---	1.00	"	"	--	"	96.0%	"	--	--	"	
Chloromethane	"	18.3	---	5.00	"	"	--	"	91.5%	"	--	--	"	
Dibromochloromethane	"	20.6	---	1.00	"	"	--	"	103%	"	--	--	"	
1,2-Dibromo-3-chloropropane	"	17.1	---	5.00	"	"	--	"	85.5%	(70-130)	--	--	"	
1,2-Dibromoethane	"	19.2	---	1.00	"	"	--	"	96.0%	"	--	--	"	
Dibromomethane	"	18.8	---	1.00	"	"	--	"	94.0%	"	--	--	"	
1,2-Dichlorobenzene	"	19.1	---	1.00	"	"	--	"	95.5%	(75-125)	--	--	"	
1,3-Dichlorobenzene	"	19.2	---	1.00	"	"	--	"	96.0%	"	--	--	"	
1,4-Dichlorobenzene	"	19.1	---	1.00	"	"	--	"	95.5%	"	--	--	"	
Dichlorodifluoromethane	"	24.2	---	1.00	"	"	--	"	121%	(70-130)	--	--	"	Q-41
1,1-Dichloroethane	"	19.2	---	1.00	"	"	--	"	96.0%	(75-125)	--	--	"	
1,2-Dichloroethane	"	20.5	---	1.00	"	"	--	"	102%	"	--	--	"	
1,1-Dichloroethene	"	20.8	---	1.00	"	"	--	"	104%	"	--	--	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024536

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Purgeables by EPA Method 624 - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6112035 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6112035-BS1)									Extracted: 09/12/06 11:54					
cis-1,2-Dichloroethene	EPA 624	19.4	---	1.00	ug/l	1x	--	20.0	97.0%	(70-130)	--	--	09/12/06 13:30	
trans-1,2-Dichloroethene	"	19.8	---	1.00	"	"	--	"	99.0%	(75-125)	--	--	"	
1,2-Dichloropropane	"	18.1	---	1.00	"	"	--	"	90.5%	"	--	--	"	
cis-1,3-Dichloropropene	"	18.9	---	1.00	"	"	--	"	94.5%	"	--	--	"	
trans-1,3-Dichloropropene	"	19.9	---	1.00	"	"	--	"	99.5%	"	--	--	"	
Ethylbenzene	"	19.7	---	1.00	"	"	--	"	98.5%	"	--	--	"	
2-Hexanone	"	177	---	10.0	"	"	--	200	88.5%	(70-130)	--	--	"	
4-Methyl-2-pentanone	"	174	---	10.0	"	"	--	"	87.0%	"	--	--	"	
Methylene chloride	"	19.1	---	5.00	"	"	--	20.0	95.5%	(75-125)	--	--	"	
Styrene	"	19.7	---	1.00	"	"	--	"	98.5%	(70-130)	--	--	"	
1,1,1,2-Tetrachloroethane	"	20.7	---	1.00	"	"	--	"	104%	"	--	--	"	
1,1,2,2-Tetrachloroethane	"	16.8	---	1.00	"	"	--	"	84.0%	(75-125)	--	--	"	
Tetrachloroethene	"	20.3	---	1.00	"	"	--	"	102%	(75-130)	--	--	"	
Toluene	"	19.1	---	1.00	"	"	--	"	95.5%	(75-120)	--	--	"	
1,1,1-Trichloroethane	"	22.5	---	1.00	"	"	--	"	112%	(75-130)	--	--	"	
1,1,2-Trichloroethane	"	18.5	---	1.00	"	"	--	"	92.5%	"	--	--	"	
Trichloroethene	"	20.0	---	1.00	"	"	--	"	100%	(75-120)	--	--	"	
Trichlorofluoromethane	"	24.3	---	1.00	"	"	--	"	122%	(75-130)	--	--	"	Q-41
1,2,3-Trichloropropane	"	18.3	---	1.00	"	"	--	"	91.5%	(70-130)	--	--	"	
Vinyl chloride	"	19.6	---	1.00	"	"	--	"	98.0%	(75-125)	--	--	"	
o-Xylene	"	19.8	---	1.00	"	"	--	"	99.0%	(70-130)	--	--	"	
m,p-Xylene	"	39.5	---	2.00	"	"	--	40.0	98.8%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 108%*			*Limits: 70-130%*	"							*09 12.06 13:30*	
Toluene-d8		*99.5%*			*70-130%*	"							"	
4-BFB		*99.5%*			*70-130%*	"							"	
LCS Dup (6112035-BSD1)									Extracted: 09/12/06 11:54					
Acetone	EPA 624	176	---	10.0	ug/l	1x	--	200	88.0%	(70-130)	1.14%	(20)	09/12/06 14:04	
Benzene	"	19.4	---	1.00	"	"	--	20.0	97.0%	(75-125)	8.60%	"	"	
Bromodichloromethane	"	21.7	---	1.00	"	"	--	"	108%	"	6.67%	"	"	
Bromoform	"	20.0	---	1.00	"	"	--	"	100%	"	1.51%	"	"	
Bromomethane	"	21.6	---	2.00	"	"	--	"	108%	"	6.21%	"	"	
2-Butanone	"	178	---	10.0	"	"	--	200	89.0%	(70-130)	4.01%	"	"	
Carbon disulfide	"	20.2	---	1.00	"	"	--	20.0	101%	"	5.08%	"	"	
Carbon tetrachloride	"	24.8	---	1.00	"	"	--	"	124%	(75-125)	4.96%	"	"	Q-41
Chlorobenzene	"	20.2	---	1.00	"	"	--	"	101%	"	4.04%	"	"	
Chloroethane	"	19.7	---	1.00	"	"	--	"	98.5%	"	3.62%	"	"	
Chloroform	"	20.1	---	1.00	"	"	--	"	100%	"	4.58%	"	"	
Chloromethane	"	19.4	---	5.00	"	"	--	"	97.0%	"	5.84%	"	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024537

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Purgeables by EPA Method 624 - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I12035 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (6I12035-BSD1)								**Extracted: 09/12/06 11:54**						
Dibromochloromethane	EPA 624	21.1	---	1.00	ug/l	1x	--	20.0	106%	(75-125)	2.40%	(20)	09/12/06 14:04	
1,2-Dibromo-3-chloropropane	"	17.2	---	5.00	"	"	--	"	86.0%	(70-130)	0.583%	"	"	
1,2-Dibromoethane	"	19.2	---	1.00	"	"	--	"	96.0%	"	0.00%	"	"	
Dibromomethane	"	19.7	---	1.00	"	"	--	"	98.5%	"	4.68%	"	"	
1,2-Dichlorobenzene	"	19.8	---	1.00	"	"	--	"	99.0%	(75-125)	3.60%	"	"	
1,3-Dichlorobenzene	"	20.2	---	1.00	"	"	--	"	101%	"	5.08%	"	"	
1,4-Dichlorobenzene	"	20.1	---	1.00	"	"	--	"	100%	"	5.10%	"	"	
Dichlorodifluoromethane	"	23.9	---	1.00	"	"	--	"	120%	(70-130)	1.25%	"	"	Q-41
1,1-Dichloroethane	"	20.4	---	1.00	"	"	--	"	102%	(75-125)	6.06%	"	"	
1,2-Dichloroethane	"	21.8	---	1.00	"	"	--	"	109%	"	6.15%	"	"	
1,1-Dichloroethene	"	22.1	---	1.00	"	"	--	"	110%	"	6.06%	"	"	
cis-1,2-Dichloroethene	"	20.4	---	1.00	"	"	--	"	102%	(70-130)	5.03%	"	"	
trans-1,2-Dichloroethene	"	21.0	---	1.00	"	"	--	"	105%	(75-125)	5.88%	"	"	
1,2-Dichloropropane	"	19.4	---	1.00	"	"	--	"	97.0%	"	6.93%	"	"	
cis-1,3-Dichloropropene	"	19.9	---	1.00	"	"	--	"	99.5%	"	5.15%	"	"	
trans-1,3-Dichloropropene	"	20.3	---	1.00	"	"	--	"	102%	"	1.99%	"	"	
Ethylbenzene	"	20.4	---	1.00	"	"	--	"	102%	"	3.49%	"	"	
2-Hexanone	"	182	---	10.0	"	"	--	200	91.0%	(70-130)	2.79%	"	"	
4-Methyl-2-pentanone	"	186	---	10.0	"	"	--	"	93.0%	"	6.67%	"	"	
Methylene chloride	"	19.2	---	5.00	"	"	--	20.0	96.0%	(75-125)	0.522%	"	"	
Styrene	"	20.6	---	1.00	"	"	--	"	103%	(70-130)	4.47%	"	"	
1,1,1,2-Tetrachloroethane	"	21.3	---	1.00	"	"	--	"	106%	"	2.86%	"	"	
1,1,2,2-Tetrachloroethane	"	17.4	---	1.00	"	"	--	"	87.0%	(75-125)	3.51%	"	"	
Tetrachloroethene	"	21.0	---	1.00	"	"	--	"	105%	(75-130)	3.39%	"	"	
Toluene	"	20.1	---	1.00	"	"	--	"	100%	(75-120)	5.10%	"	"	
1,1,1-Trichloroethane	"	23.4	---	1.00	"	"	--	"	117%	(75-130)	3.92%	"	"	
1,1,2-Trichloroethane	"	18.5	---	1.00	"	"	--	"	92.5%	"	0.00%	"	"	
Trichloroethene	"	21.4	---	1.00	"	"	--	"	107%	(75-120)	6.76%	"	"	
Trichlorofluoromethane	"	24.4	---	1.00	"	"	--	"	122%	(75-130)	0.411%	"	"	Q-41
1,2,3-Trichloropropane	"	18.2	---	1.00	"	"	--	"	91.0%	(70-130)	0.548%	"	"	
Vinyl chloride	"	21.0	---	1.00	"	"	--	"	105%	(75-125)	6.90%	"	"	
o-Xylene	"	20.9	---	1.00	"	"	--	"	104%	(70-130)	5.41%	"	"	
m,p-Xylene	"	41.7	---	2.00	"	"	--	40.0	104%	"	5.42%	"	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 107%*			*Limits: 70-130%*	"							*09 12 06 14:04*	
Toluene-d8		*99.0%*			*70-130%*	"							"	
4-BFB		*99.5%*			*70-130%*	"							"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024538

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Notes and Definitions

Report Specific Notes:

Q-31 - The Lower acceptance limit is set to zero for this analyte, as it is subject to oxidative losses during solvent concentration. This compound is included in EPA 625 as an additional extractable parameter, and extraction is not guaranteed by method.

Q-41 - This analyte had a high bias in the associated calibration verification standard. See case narrative.

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024539

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
koreen.lail@siltronic.com

ER064:KL

Dr. Elliot Zais
Water Quality Source Control
Department of Environmental Quality Northwest Region
2020 SW Fourth Avenue, Suite 400
Portland, Oregon 97201-4987

2006-September-28

September 2006 Bioassay results

Dear Dr. Zais,

The Bioassay of Siltronic's effluent **passes the requirements** of our NPDES permit number 101128.

The Bioassay was performed on three species: *Ceriodaphnia dubia* (water flea), *Pimephales promelas* (fathead minnow) and *Raphidocelis subcapitata* (green algae). The analyses were performed at the following dilutions, which are based on the average of three mixing zone dilution studies[1], as percentage effluent: 1.90%, 3.75%, 7.5%, 15% and 30%. Samples were taken September 6 though September 13, 2006. The analytical methods used were "*Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, Weber, C. et al. (1994); EPA/600/4-91/002*" and *"Whole Effluent Toxicity Testing Guidance Document, Oregon Department of Environmental Quality, January 1993".*

Ceriodaphnia dubia

Acute Toxicity test results indicated no statistically significant reduction in survival at any of the effluent concentrations tested when compared to the control. The no observed effect concentration (NOEC) and lowest observed effect concentration (LOEC) were 30% and greater than 30% effluent, respectively. Control survival was 100%. The LC_{50} value (concentration of sample causing a 50% reduction in survival) was calculated to be greater than 30% effluent. The effluent dilution concentration at the edge of Siltronic's zone of immediate dilution (ZID) is $\geq$ 13.4% effluent[1].

Chronic Toxicity test results indicated a statistically significant reduction in reproduction at the 30% effluent concentration when compared to the control. The NOEC and LOEC were 15% and 30% effluent, respectively. Control survival was 100%. The IC_{25} value (concentration of sample causing a 25% reduction in biological measurement) calculated on reproduction was 16.1% effluent concentration. The effluent dilution concentration at the edge of Siltronic's mixing zone is $\geq$ 1.8% effluent[1].

Pimephales promelas (dual endpoint)

Acute Toxicity test results indicated no statistically significant reduction in survival or growth at any of the effluent concentrations tested when compared to the control. The NOEC and LOEC were 30% and greater than 30% effluent, respectively. Control survival was 97.5%. The LC_{50} value for growth was calculated to be greater than 30% effluent. The effluent dilution concentration at the edge of Siltronic's ZID is $\geq$ 13.4% effluent[1].

Chronic Toxicity test results indicated no statistically significant reduction in survival or growth at any of the effluent concentrations tested when compared to the control. The NOEC and LOEC were 30% and greater than 30% effluent, respectively. Control survival was 97.5%. The IC_{25} value for growth was calculated to be greater than 30% effluent. The effluent dilution concentration at the edge of Siltronic's mixing zone is $\geq$ 1.8% effluent[1].

siltronic
perfect silicon solutions

Raphidocelis subcapitata

Chronic Toxicity test results indicated that there was no statistically significant reduction in growth at any effluent concentration tested when compared to the control. The NOEC and LOEC were 30% and greater than 30% percent effluent, respectively. The IC_{25} value was calculated to be greater than 30% effluent. The effluent dilution concentration at the edge of Siltronic's mixing zone is ≥ 1.8% effluent[1].

Summary of CH2MHill results for August 2005

Acute (48-hour) Results:	Ceriodaphnia dubia	Pimephales promelas	
NOEC	30%	30% (% Effluent)	
ZID Pass Criteria[1]	≥13.4%	≥13.4%	
Chronic Results:	**Ceriodaphnia dubia**	**Pimephales promelas**	**Raphidocelis subcapitata**
NOEC	15%	30%	30% (% Effluent)
Mixing Zone Pass Criteria[1]	≥ 1.8%	≥ 1.8%	≥ 1.8%

If you have any questions, please contact Koreen Lail at (503) 219-7994.

Regards,
Siltronic Corporation

Thomas McCue
Environmental Manager

cc: Tom Rothschild
NPDES Bioassay File

[1] CH2MHILL Mixing Zone Effluent Dilution Evaluations prepared for Siltronic Corporation in 1994, 1995 and 1996. The NPDES discharge permit defines, for Siltronic's effluent discharge to the Willamette River, a zone of initial dilution (ZID) having a 5-foot radius from the point of discharge at Outfall 003, and a mixing zone having a 50-foot radius from the point of discharge at Outfall 003. The average of the three mixing zone dilution studies identified worst-case (0.1-feet/ second as current velocity) dilutions at distances of 5 and 50 feet from the discharge point of 7.5:1 and 55.5:1 ($Q_{Total}/Q_{Effluent}$), respectively. These dilutions are equivalent to 13.4% effluent at the edge of the ZID and 1.8% effluent at the edge of the mixing zone. According to the discharge permit, the effluent is considered to be acutely toxic if an acute test No-Observable-Effects-Concentration (NOEC) is less than 13.4% effluent, and is considered to be chronically toxic if a chronic test NOEC is less than 1.8% effluent. **Conversely, the effluent is in compliance for toxicity if the acute test NOEC is greater than or equal to (≥) 13.4% effluent and the chronic test NOEC is greater than or equal to (≥) 1.8% effluent.**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	8	1	TO	2006	8	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,497	3,929	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	10.7	19.6	Kg/day	--	3.1	5.4	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	9.4	12.3	Kg/day	--	2.7	3.5	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	0.004	Kg/day	--	<0.001	0.001	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	24.9	33.0	Kg/day	--	7.3	8.9	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.3	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1 1001 AND 33 USC § 1319 Penalties under these statutes may include fines up to $10,000 and up to maximum imprisonment of between 6 months and 5 years.

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 9 DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
Chrome batches are no longer being treated on site. pH Excursion: NONE

KL:059

SCOEPA00024542

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
2006	8	1	2006	8	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					1.9	4.8	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
503	243-2020	06	9	11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024543

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	8	1	TO	2006	8	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER		(3 Card Only) QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
MV-3 Flow	SAMPLE MEASUREMENT	159	250	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.4	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years).

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 9 | DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024544

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16): 101128 — PERMIT NUMBER

(17-19): Outfall 003 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	8	1	TO	2006	8	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,657	4,115	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	77.4	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.44	7.22	7.87			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 9 | DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024545

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 058.KLL

2006-September-11

July 2006 Industrial Discharge Report

Dear Mr. Dean,

Enclosed are the August 2006 monthly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosures:
Special Account Meter Report Document
Industrial Wastewater Discharge Self-Monitoring Report

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 September 2006

SAMPLING PERIOD: August 2006

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE		pH METER BRAND			pH METER MODEL		pH Discharge Limits
#1B (Fab 2)		Orion			720A		5.0 - 11.5 S.U.
Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration		COMMENTS
					Date	Buffer used	
21 August 2006	1330	10.0	YES	(NO)	21 August 2006	7.0 and 10.0	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
August 2006		No excursions		YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Seil for Siltronic Date: 9/11/06

N:\Environmental\FACLAB\WWTP\BES Monthly Reports\Monthly\August 2006 .doc

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

August-06

1. OWW DISCHARGE

ACTUAL READINGS

	Fab. 1	FAB 2	
PAST READING	109367	615,532	100s of GALLONS)
CURRENT READING	109367	820,362	100s of GALLONS)
CONSUMPTION	0	204,830	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	2,048,300		10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	2,048,300	* 10 GAL / 7.48 GAL/CF =	2,738,369	CF
TOTAL THROUGH OVERFL	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,738,369	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	2,037,620	(10s of GALLONS)
CURRENT READING	2,089,290	(10s of GALLONS)
CONSUMPTION	51,670	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	51,670	* 10 GAL / 7.48 GAL/CF=	69,078	CF

This meter reading was reported by: C. Justin Darr on date 9/1/06

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024548

STAPLE HERE

NPDES PERMITTEE DATA REPORT FORM

Form Approved. OMB No. 2080-0021 Approval Expires 5/31/2007

United States Environmental Protection Agency
Laboratory DMR-QA Evaluation Study 26
Laboratory Performance Evaluation
(These data are collected under the authority of the Federal Water Pollution Control Act.)

EPA USE ONLY	
N	1
1	2

NPDES Permit Number										
O	R	0	0	3	0	5	8	9		
3	4	5	6	7	8	9	10	11		

Permit Extension	
12	13

Current Permittee Mailing Address

NPDES Permit Number: OR0030589 Phone: (503) 219-7994

Siltronic Corporation
7200 NW Front Ave.
Portland, OR 97210-3676

ATTENTION:
Follow the checklist on next page for instructions on completing this form and submitting data for evaluation.

Enter Permittee Name as it Should Appear in Report Heading:

S	I	L	T	R	O	N	I	C		C	O	R	P	O	R	A	T	I	O	N														
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49

For DMR-QA Study 25, conducted in 2005, the Permittee:

Received Samples:	YES	NO
	X	
	50	51

Submitted Data:	YES	NO
	X	
	52	53

Received a Report in Response:	YES	NO
	X	
	54	55

Certification by Permit Holder or Authorized Representative
(as per 40 CFR Part 122.22 – see instructions.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the USEPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Title of Certifying Official (Type or Print)	Signature	Date Signed
Koreen Lail Env. Engineer	Koreen Lail	8/28/2006

Address of Certifying Official (if different from Permittee address above)	Telephone Number

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

KL: 053

SCOEPA00024549

EPA

United States Environmental Protection Agency
DMR-QA Study 26
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: OR0030589

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number:

N 2
1 2

Name	Address	Lab Code assigned by USEPA	Lab Analysis – Put an 'X' in all that apply: Chem	Tox	Lab Type – choose one: F = Federal, G = Local Gov., C=Commercial, I = Industrial, S = State, O = Other
Siltronic Corp.	7200 NW FRONT Ave. Portland, OR 97210-3676	OR01069 (3-9)	X (10)	(11)	I (12)
Test America Analytical Testing Corp.	9405 SW NIMBUS Ave. Beaverton, OR 97008-7132	OR00049 (13-19)	X (20)	(21)	C (22)
CH2M HILL Analytical Svcs.	2300 NW WALNUT BLVD. Corvallis, OR 97330-3538	OR00049 (23-29)	(30)	X (31)	C (32)
← END →		(33-39)	(40)	(41)	(42)

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete. Continued on the next page

SCOEPA00024550

ENVIRONMENTAL RESOURCE ASSOCIATES®

WP-138 Data Reporting Form

NPDES Permit #: OR0030589

Permittee Name: Siltronic Corporation

Laboratory: TestAmerica - Beaverton **USEPA Lab Code: OR00040** **Customer Number: N5788-02**

Anal. No.	Analyte	Result	Units	Method Description	Analysis Date MM/DD/YY	Report* For DMRQA
	Demand - Method 1					
0038	BOD	86.6	mg/L	EPA 405.1	08/14/06	X
	Demand - Method 2					
0038	BOD	86.6	mg/L	SM 5210 B	08/14/06	X
	Trace Metals - Method 1					
0006	Chromium	693.	µg/L	EPA 200.8	08/23/06	X
	Trace Metals - Method 2					
0006	Chromium	693.	µg/L	EPA 6020	08/23/06	X
	Trace Metals - Method 3					
0006	Chromium	645.	µg/L	EPA 200.7	08/24/06	X
	Trace Metals - Method 4					
0006	Chromium	645.	µg/L	EPA 6010B	08/24/06	X

*** Permittees**

An 'X' in the box indicates you have chosen this analyte to appear on your final report.

STAPLE HERE

NPDES PERMITTEE DATA REPORT FORM

Form Approved. OMB No. 2080-0021 Approval Expires 5/31/2007

United States Environmental Protection Agency
Laboratory DMR-QA Evaluation Study 26
Laboratory Performance Evaluation
(These data are collected under the authority of the Federal Water Pollution Control Act.)

EPA USE ONLY	
N	1
1	2

NPDES Permit Number										
O	R	0	0	3	0	5	8	9		
3	4	5	6	7	8	9	10	11	12	13

Permit Extension

Current Permittee Mailing Address

NPDES Permit Number: OR0030589 Phone: (503) 219-7994

Siltronic Corporation
7200 NW Front Ave.
Portland, OR 97210-3676

ATTENTION:
Follow the checklist on next page for instructions on completing this form and submitting data for evaluation.

Enter Permittee Name as it Should Appear in Report Heading:

S	I	L	T	R	O	N	I	C		C	O	R	P	O	R	A	T	I	O	N																
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49

For DMR-QA Study 25, conducted in 2005, the Permittee:

Received Samples:	YES	NO
	X	
	50	51

Submitted Data:	YES	NO
	X	
	52	53

Received a Report in Response:	YES	NO
	X	
	54	55

Certification by Permit Holder or Authorized Representative
(as per 40 CFR Part 122.22 – see instructions.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the USEPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Title of Certifying Official (Type or Print)	Signature	Date Signed
Koreen Lail Env. Engineer	Koreen Lail	8/28/2006

Address of Certifying Official (if different from Permittee address above)	Telephone Number

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024552

EPA

United States Environmental Protection Agency
DMR-QA Study 26
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: OR0030589

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number:

Name	Address	Lab Code assigned by USEPA	Lab Analysis – Put an 'X' in all that apply: Chem	Tox	Lab Type – choose one: F = Federal, G = Local Gov., C=Commercial, I = Industrial, S = State, O = Other
Siltronic Corp.	7200 NW Front Ave. Portland, OR 97210-3676	0 R 0 1 0 0 6 (3 4 5 6 7 8 9)	X (10)	(11)	I (12)
Test America Analytical Testing Corp.	9405 SW Nimbus Ave. Beaverton, OR 97008-7132	0 R 0 0 0 4 0 (13 14 15 16 17 18 19)	X (20)	(21)	C (22)
CH2M Hill Analytical Svcs.	2300 NW Walnut Blvd. Corvallis, OR 97330-3538	0 R 0 0 0 0 4 (23 24 25 26 27 28 29)	(30)	X (31)	C (32)
← END →		(33 34 35 36 37 38 39)	(40)	(41)	(42)

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete. Continued on the next page

SCOEPA00024553

ENVIRONMENTAL RESOURCE ASSOCIATES®

DMR-QA 26 Data Reporting Form

NPDES Permit #: OR0030589

Permittee Name: Siltronic Corporation

Laboratory: Siltronic Corporation **USEPA Lab Code: OR01006** **Customer Number: W2074-98**

Anal. No.	Analyte	Result	Units	Method Description	Analysis Date MM/DD/YY	Report* For DMRQA
	pH - Method 1					
0019	pH	7.41	S.U.	SM 4500 H+ B	07/17/06	X
	Hardness - Method 1					
0072	Non-Filterable Residue (TSS)	48.3	mg/L	SM 2540 D	08/10/06	X
	Complex Nutrients - Method 1					
0035	Total phosphorus as P	1.57	mg/L	SM 4500 P E	08/15/06	X
	Minerals - Method 1					
0029	Fluoride	2.05	mg/L	SM 4500 F- C	07/26/06	X

*** Permittees**

An 'X' in the box indicates you have chosen this analyte to appear on your final report.

STAPLE HERE

NPDES PERMITTEE DATA REPORT FORM Form Approved. OMB No. 2080-0021 Approval Expires 5/31/2007

EPA

United States Environmental Protection Agency
Laboratory DMR-QA Evaluation Study 26
Laboratory Performance Evaluation
(These data are collected under the authority of the Federal Water Pollution Control Act.)

EPA USE ONLY	
N	1
1	2

NPDES Permit Number										
O	R	0	0	3	0	5	8	9		
3	4	5	6	7	8	9	10	11		

Permit Extension	
12	13

Current Permittee Mailing Address

NPDES Permit Number: OR0030589

Phone: (503) 219-7994

Siltronic Corporation
7200 NW Front Ave.
Portland, OR 97210-3676

ATTENTION:
Follow the checklist on next page for instructions on completing this form and submitting data for evaluation.

Enter Permittee Name as it Should Appear in Report Heading:

S	I	L	T	R	O	N	I	C		C	O	R	P	O	R	A	T	I	O	N																
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	

For DMR-QA Study 25, conducted in 2005, the Permittee:

Received Samples:	YES	NO
	X	
	50	51

Submitted Data:	YES	NO
	X	
	52	53

Received a Report in Response:	YES	NO
	X	
	54	55

Certification by Permit Holder or Authorized Representative
(as per 40 CFR Part 122.22 – see instructions.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the USEPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Title of Certifying Official (Type or Print)	Signature	Date Signed
Koreen Lail Env. Engineer	Koreen Lail	8/28/2006

Address of Certifying Official (if different from Permittee address above)	Telephone Number

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024555

EPA

United States Environmental Protection Agency
DMR-QA Study 26
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: OR0030589

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number:

N 2
1 2

Name	Address	Lab Code assigned by USEPA (3–9)	Lab Analysis – Put an 'X' in all that apply: Chem (10)	Tox (11)	Lab Type – choose one: F = Federal, G = Local Gov., C=Commercial, I = Industrial, S = State, O = Other (12)
Siltronic Corp.	7200 NW FRONT Ave. Portland, OR 97210-3676	ORO1067	X		I
Test America Analytical Testing Corp.	9405 SW Nimbus Ave. Beaverton, OR 97008-7132	ORO0048	X		C
CH2M Hill Analytical Svcs.	2300 NW Walnut Blvd. Corvallis, OR 97330-3538	OR00047		X	C
← END →					

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete. Continued on the next page

SCOEPA00024556

ENVIRONMENTAL RESOURCE ASSOCIATES®

DMR-QA 26 Data Reporting Form

NPDES Permit #: OR0030589

Permittee Name: Siltronic Corporation

Laboratory: CH2M Hill Applied Sciences **USEPA Lab Code: OR00004** **Customer Number: C2086-01**

Anal. No.	Analyte	Result	Units	Method Description	Analysis Date MM/DD/YY	Report* For DMRQA
	Fathead minnow (EPA Test Code 13) - Method 1					
0754	Fathead minnow - MHSF 25° C - LC50	45.6	%	EPA 2000	07/06/06	X
	Fathead minnow (EPA Test Code 15) - Method 1					
0756	Fathead minnow - MHSF - NOEC Survival	25.0	%	EPA 1000	06/13/06	X
0808	Fathead minnow - MHSF - IC25 (ON) Growth	29.9	%	EPA 1000	06/13/06	X
0810	Fathead minnow - MHSF - NOEC (ON) Growth	12.5	%	EPA 1000	06/13/06	X
	Ceriodaphnia dubia (EPA Test Code 17) - Method 1					
0762	Ceriodaphnia - MHSF 20° C - LC50	42.5	%	EPA 2002	07/05/06	X
	Ceriodaphnia dubia (EPA Test Code 21) - Method 1					
0766	Ceriodaphnia dubia - MHSF - NOEC Survival	50.0	%	EPA 1002	06/13/06	X
0767	Ceriodaphnia - MHSF - IC25 Reproduction	50.0	%	EPA 1002	06/13/06	X
0768	Ceriodaphnia dubia - MHSF - NOEC Reproduction	38.3	%	EPA 1002	06/13/06	X

*** Permittees**

An 'X' in the box indicates you have chosen this analyte to appear on your final report.

Permittee: Sitronic Corp.

Permit Number: OR0030589

WET Organisms/Test Conditions/End Points Checklist
DMR-QA Study 26

The following table lists tests required for DMR-QA Study 26. Permittees should indicate which methods are required in their permit.

Analyte Number	Organisms/Conditions	End Points	Test Req'd
Test Code 11/EPA Method 2000			
752	Fathead minnow (*Pimephales promelas*) - MHSF 20°C	LC50	☐
Test Code 13/EPA Method 2000			
754	Fathead minnow (*Pimephales promelas*) - MHSF 25°C	LC50	☒
Test Code 14/EPA Method 2000			
755	Fathead minnow (*Pimephales promelas*) - MHSF 25°C	LC50	☐
Test Code 15/EPA Method 1000			
756	Fathead minnow (*Pimephales promelas*) - MHSF	NOEC SURVIVAL	☒
808	Fathead minnow (*Pimephales promelas*) - MHSF	IC25 GROWTH	☒
809	Fathead minnow (*Pimephales promelas*) - MHSF	IC25 (SN)[1] GROWTH	☐
810	Fathead minnow (*Pimephales promelas*) - MHSF	NOEC (ON)[2] GROWTH	☒
811	Fathead minnow (*Pimephales promelas*) - MHSF	NOEC (SN) GROWTH	☐
Test Code 16/EPA Method 1000			
759	Fathead minnow (*Pimephales promelas*) - 20% DMW	NOEC SURVIVAL	☐
812	Fathead minnow (*Pimephales promelas*) - 20% DMW	IC25 GROWTH	☐
813	Fathead minnow (*Pimephales promelas*) - 20% DMW	IC25 (SN) GROWTH	☐
814	Fathead minnow (*Pimephales promelas*) - 20% DMW	NOEC (ON) GROWTH	☐
815	Fathead minnow (*Pimephales promelas*) - 20% DMW	NOEC (SN) GROWTH	☐
Test Code 17/EPA Method 2002			
762	*Ceriodaphnia dubia* - MHSF	LC50	☒
Test Code 18/EPA Method 2002			
763	*Ceriodaphnia dubia* - 20% DMW	LC50	☐
Test Code 19/EPA Method 2002			
764	*Ceriodaphnia dubia* - MHSF 25°C	LC50	☐
Test Code 20/EPA Method 2002			
765	*Ceriodaphnia dubia* - 20% DMW 25°C	LC50	☐
Test Code 21/EPA Method 1002			
766	*Ceriodaphnia dubia* - MHSF	NOEC SURVIVAL	☒
767	*Ceriodaphnia dubia* - MHSF	IC 25 REPRODUCTION	☒
768	*Ceriodaphnia dubia* - MHSF	NOEC REPRODUCTION	☒
Test Code 22/EPA Method 1002			
769	*Ceriodaphnia dubia* - 20% DMW	NOEC SURVIVAL	☐
770	*Ceriodaphnia dubia* - 20% DMW	IC25 REPRODUCTION	☐
771	*Ceriodaphnia dubia* - 20% DMW	NOEC REPRODUCTION	☐
Test Code 32/EPA Method 2021			
788	*Daphnia magna* - MHSF 20°C	LC50	☐
Test Code 36/EPA Method 2021			
792	*Daphnia pulex* - MHSF 20°C	LC50	☐
Test Code 38/EPA Method 2021			
794	*Daphnia pulex* - MHSF 25°C	LC50	☐

SCOEPA00024558

Permittee: SP Tronk Corp

Permit Number: OR0030589

Analyte Number	Organisms/Conditions	End Points	Test Req'd
Test Code 42/EPA Method 2007			
798	Mysid (*Mysidopsis bahia*) 20°C	LC50	☐
Test Code 43/EPA Method 1007			
799	Mysid (*Mysidopsis bahia*)	NOEC SURVIVAL	☐
816	Mysid (*Mysidopsis bahia*)	IC25 GROWTH	☐
817	Mysid (*Mysidopsis bahia*)	IC25 (SN) GROWTH	☐
818	Mysid (*Mysidopsis bahia*)	NOEC (ON) GROWTH	☐
819	Mysid (*Mysidopsis bahia*)	NOEC (SN) GROWTH	☐
Test Code 44/EPA Method 2006			
803	Inland silverside (*Menidia berylina*) 20°C	LC50	☐
Test Code 46/EPA Method 2004			
804	Sheepshead minnow (*Cyprinodon variegatus*) 20°C	LC50	☐
Test Code 47/EPA Method 1004			
805	Sheepshead minnow (*Cyprinodon variegatus*)	NOEC SURVIVAL	☐
820	Sheepshead minnow (*Cyprinodon variegatus*)	IC25 GROWTH	☐
821	Sheepshead minnow (*Cyprinodon variegatus*)	IC25 (SN) GROWTH	☐
822	Sheepshead minnow (*Cyprinodon variegatus*)	NOEC (ON) GROWTH	☐
823	Sheepshead minnow (*Cyprinodon variegatus*)	NOEC (SN) GROWTH	☐

[1]Survival Number
[2]Original Number

References Manuals for WET Tests (see www.epa.gov/waterscience/WET)

All tests must be conducted according to the standard methods published in the following EPA manuals. Please consult these manuals for proper test, culturing, and water preparation guidance.

1. Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms, EPA 600-4-90-027F.
2. Short-term Methods for Estimating for Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, Second Edition, EPA 600-4-89-001 or EPA 600-4-91-002.
3. Supplement to Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, Second Edition, EPA 600-4-89-001A.
4. Short-term Method for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms, EPA 600-4-87-028 or EPA 600-4-91-003.
5. October 2002. Method for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms, Fifth Edition, EPA 821-R-02-012.
6. October 2002. Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, Fourth Edition, EPA 821-R-02-013.
7. October 2002. Short-term Method for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms, Third Edition, EPA 821-R-02-014.

SCOEPA00024559

Permittee: Siltronic Corp

Permit Number: OR0030589

Chemistry/Microbiology Analyte Checklist
DMR-QA Study 26

NPDES Testing Required	PT Samples Ordered	Analyte Test	Test Completed/Reported	
			On-Site Lab	Contract Lab
		Microbiology		
☐	☐	Fecal Coliform, MF or MPN	☐	☐
☐	☐	Total Coliform, MF or MPN	☐	☐
		Trace Metals		
☐	☐	Aluminum	☐	☐
☐	☐	Antimony	☐	☐
☐	☐	Arsenic	☐	☐
☐	☐	Barium	☐	☐
☐	☐	Beryllium	☐	☐
☐	☐	Cadmium	☐	☐
☒	☒	Chromium, total	☐	☐
☐	☐	Chromium, hexavalent	☐	☐
☐	☐	Cobalt	☐	☐
☐	☐	Copper	☐	☐
☐	☐	Iron	☐	☐
☐	☐	Lead	☐	☐
☐	☐	Manganese	☐	☐
☐	☐	Mercury	☐	☐
☐	☐	Molybdenum	☐	☐
☐	☐	Nickel	☐	☐
☐	☐	Selenium	☐	☐
☐	☐	Silver	☐	☐
☐	☐	Thallium	☐	☐
☐	☐	Vanadium	☐	☐
☐	☐	Zinc	☐	☐
		Demands		
☒	☒	5-day BOD	☐	☐
☐	☐	5-day Carbonaceous BOD	☐	☐
☐	☐	COD	☐	☐
☐	☐	TOC	☐	☐
		Minerals		
☐	☐	Alkalinity, total ($CaCO_3$)	☐	☐
☐	☐	Chloride	☐	☐
☒	☒	Fluoride	☐	☐
☐	☐	Hardness, total ($CaCO_3$)	☐	☐
☐	☐	Specific conductance (25°C)	☐	☐
☐	☐	Sulfate	☐	☐
☐	☐	Total Dissolved Solids (180°C)	☐	☐
		Nutrients		
☐	☐	Ammonia as N	☐	☐
☐	☐	Nitrate as N	☐	☐
☐	☐	Nitrite as N	☐	☐
☐	☐	Orthophosphate as P	☐	☐
☐	☐	Total Kjeldahl-Nitrogen as N	☐	☐
☒	☒	Total Phosphorus as P	☐	☐

SCOEPA00024560

Permittee: Siltronic Corporation

Permit Number: OR0030589

NPDES Testing Required	PT Samples Ordered	Analyte Test	Test Completed/Reported	
			On-Site Lab	Contract Lab
		Misc. Analytes		
☒	☒	Non-Filterable Residue (TSS)	☐	☐
☐	☐	Oil and Grease	☐	☐
☒	☒	pH	☐	☐
☐	☐	Total Cyanide	☐	☐
☐	☐	Total Phenolics (4-AAP)	☐	☐
☐	☐	Total Residual Chlorine	☐	☐
☐	☐	Settleable Solids	☐	☐
☐	☐	Turbidity	☐	☐

Koreen Lail
Print Name

Koreen Lail Env. Eng.
Signature/Title

8/28/2006
Date

Permittee: Provide a copy of this checklist to your in-house and contract laboratories with the analytes that you want them to test for during Study 26 selected. This checklist must be included with the final Data Package that you are required to send to your DMR-QA Coordinator and PT Provider by September 1, 2006.

SCOEPA00024561

KLL.050

REQUEST FOR REVISION

August 23, 2006

Mariana Ruiz-Temple
Oregon Community Right-To-Know Unit
HazMat Information Manager
4760 Portland Road, Northeast
Salem, OR 97305-1760
Attention: TRI Revision Request

To whom it may concern:

Siltronic Corporation 97210WCKS7200N is requesting a revision for the following submission filed under EPCRA Section 313 from EPA's database (i.e. the Toxics Release Inventory System (TRIS)).

Chemical name reported: Hydrochloric acid (1995 and after "Acid Aerosols" only)
CAS Number/Category Code: 7647-01-0
Report Type: Form R
Reporting year: 2003

Reason(s) for Revision: After review of the data for the TRI 2005 report it was put forward that the hydrogen chloride in the gas cylinders, because of the pressure in the cylinders, was in the form of a liquid with a very small amount of gas at the top of the cylinder. After contact with Brook Madrone, TRI program manager, (206) 553-4016, she informed us that the HCl liquid in the cylinders was not to be counted, only the aerosol form of the HCl.

We then contacted Walter Preller, BOC Edwards EM Gas Engineer, (503) 551-9293 which gave us the correct formulas for determining the amount of vapor within the cylinders. After the calculations were completed it was determined that we have been over reporting the amount of onsite aerosol HCl, for the last few years, because it was really a liquid and not an aerosol. In this revision, the maximum amount of toxic chemical onsite (HCl aerosol) at any time of the calendar year has been reduced to reflect the TRI program agency decision. Additionally, the quantity recycled offsite has also been adjusted to reflect the corrected calculations.

The technical contact is: Koreen Lail and may be reached at (503) 219-7994.

Thank you.

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW front Ave.
Portland, OR 97210
Phone 503-219-7994
koreen.lail@siltronic.com

Signature Certification for State Diskette Submission

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

August 16, 2006

ATTN: Marianan Ruiz-Temple
Oregon Community Right-To-Know-Unit
HazMat Information Manager
4760 Portland Road, Northeast
Salem, OR 97305-1760

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 1 chemical report(s) for our facility.

These 1 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2003	7647-01-0	Form R

Our technical point of contact is:

KOREEN LAIL
(503) 219-7994
KOREEN.LAIL@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

SCOEPA00024563

REQUEST FOR REVISION

August 23, 2006

TRI Data Processing Center
P.O. Box 1513
Lanham, MD 20703-1513
Attention: TRI Revision Request

To whom it may concern:

Siltronic Corporation 97210WCKS7200N is requesting a revision for the following submission filed under EPCRA Section 313 from EPA's database (i.e. the Toxics Release Inventory System (TRIS)).

Chemical name reported: Hydrochloric acid (1995 and after "Acid Aerosols" only)
CAS Number/Category Code: 7647-01-0
Report Type: Form R
Reporting year: 2003

Reason(s) for Revision: After review of the data for the TRI 2005 report it was put forward that the hydrogen chloride in the gas cylinders, because of the pressure in the cylinders, was in the form of a liquid with a very small amount of gas at the top of the cylinder. After contact with Brook Madrone, TRI program manager, (206) 553-4016, she informed us that the HCl liquid in the cylinders was not to be counted, only the aerosol form of the HCl.

We then contacted Walter Preller, BOC Edwards EM Gas Engineer, (503) 551-9293 which gave us the correct formulas for determining the amount of vapor within the cylinders. After the calculations were completed it was determined that we have been over reporting the amount of onsite aerosol HCl, for the last few years, because it was really a liquid and not an aerosol. In this revision, the maximum amount of toxic chemical onsite (HCl aerosol) at any time of the calendar year has been reduced to reflect the TRI program agency decision. Additionally, the quantity recycled offsite has also been adjusted to reflect the corrected calculations.

The technical contact is: Koreen Lail and may be reached at (503) 219-7994.

Thank you.

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW front Ave.
Portland, OR 97210
Phone 503-219-7994
koreen.lail@siltronic.com

(IMPORTANT: Type or print; read instructions before completing form)

File Copy -- Do Not Submit to EPA

EPA United States Environmental Protection Agency

FORM R

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols" only)

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lanham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: X

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2003

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
☐ Yes (Answer question 2.2; Attach substantiation forms) ☒ NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy ☐ Sanitized ☐ Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
Neil J. Nelson President		08/25/2006

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
LTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	NA
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. ☒ An entire facility b. ☐ Part of a facility c. ☐ A Federal facility d. ☐ GOCO

4.3	Technical Contact Name	KOREEN LAIL	Telephone Number (include area code): (503) 219-7994
	Email Address	koreen.lail@siltronic.com	
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)	Primary	b.	c.	d.	e.	f.
	a. 3674					

4.6	Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
		45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA Identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA ☒	
5.2	Parent Company's Dun & Bradstreet Number	NA ☒	

SCOEPA00024565

File Copy - Do Not Submit to EPA

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97[illegible]TCWCKR[illegible]7200N
Toxic Chemical, Category or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) 7647-01-0
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) Hydrochloric acid (1995 and after "Acid Aerosols" only)
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.) NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NA ☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.) NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:	a. [ ] As a reactant	a. [ ] As a chemical processing aid
c. [ ] For on-site use/processing	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
d. [ ] For sale/distribution	c. [ ] As an article component	c. [X] Ancillary or other use
e. [X] As a byproduct	d. [ ] Repackaging	
f. [ ] As an impurity	e. [ ] As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	02 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA ☐	390	O	
5.2	Stack or point air emissions	NA ☐	71	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	NA
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐
and indicate the Part II, Section 5.3 page number in this box. ☐ **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

File Copy - Do Not Submit to EPA

EPA FORM R

PART II. CHEMICAL- SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKR97200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3A	RCRA Subtitle C Surface Impoundments	X		
5.5.3B	Other surface impoundments	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B.	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] **and indicate the Part II, Section 6.1 page number in this box** [ ] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479								
Off-Site Location Name	BOC GASES								
Off-site Address	1122 NORTH 52ND STREET								
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

File Copy -- Do Not Submit to EPA

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 21988	1. M	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) TXP490295001

Off-Site location Name	GEM MICROELECTRONIC MATERIALS
Off-site Address	100 US HIGHWAY 287 NORTH

City	MANSFIELD	State	TX	County	TARRANT	Zip	76063	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 16	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]						c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b		1	A03	2	P09	7A.1c	7A.1d	7A.1e
A	3	C11	4	P12	5	NA	01	99 %	Yes [ ] No [X]
	6		7		8				
7A.2a	7A.2b		1	P09	2	C11	7A.2c	7A.2d	7A.2e
W	3	P12	4	NA	5		02	100 %	Yes [X] No [ ]
	6		7		8				
7A.3a	7A.3b		1		2		7A.3c	7A.3d	7A.3e
	3		4		5			%	Yes [ ] No [ ]
	6		7		8				
7A.4a	7A.4b		1		2		7A.4c	7A.4d	7A.4e
	3		4		5			%	Yes [ ] No [ ]
	6		7		8				
7A.5a	7A.5b		1		2		7A.5c	7A.5d	7A.5e
	3		4		5			%	Yes [ ] No [ ]
	6		7		8				

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [3]
and indicate the Part II, Section 6.2/7A page number in this box: [1] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

EPA Form 9350-1 (Rev. 2/2004) - Previous editions are obsolete.

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

File Copy -- Do Not Submit to EPA

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 3 Off-Site EPA Identification Number (RCRA ID No.)	PAD987283207
Off-Site location Name	AIR LIQUIDE AMERICAN CORP.
Off-site Address	19 STEEL ROAD WEST

City	MORRISVILLE	State	PA	County	BUCKS	Zip	190673698	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 4667	1. M	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]					c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.6a	7A.6b	1		2		7A.6c	7A.6d	7A.6e
	3	4		5			%	Yes [ ] No [ ]
	6	7		8				
7A.7a	7A.7b	1		2		7A.7c	7A.7d	7A.7e
	3	4		5			%	Yes [ ] No [ ]
	6	7		8				
7A.8a	7A.8b	1		2		7A.8c	7A.8d	7A.8e
	3	4		5			%	Yes [ ] No [ ]
	6	7		8				
7A.9a	7A.9b	1		2		7A.9c	7A.9d	7A.9e
	3	4		5			%	Yes [ ] No [ ]
	6	7		8				
7A.10a	7A.10b	1		2		7A.10c	7A.10d	7A.10e
	3	4		5			%	Yes [ ] No [ ]
	6	7		8				

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [3]
and indicate the Part II, Section 6.2/7A page number in this box: [2] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

EPA Form 9350-1 (Rev. 2/2004) - Previous editions are obsolete.

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

File Copy -- Do Not Submit to EPA

EPA FORM R

PART II. CHEMICAL SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97110VCKR7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 4 Off-Site EPA Identification Number (RCRA ID No.) ORQ000009423

Off-Site location Name: KANTO CORPORATION

Off-site Address: 13424 N WOODRUSH WAY

City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97203	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 220	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.11a	7A.11b	1		2		3		4	7A.11c	7A.11d	7A.11e
	5		6		7		8			%	Yes [ ] No [ ]
7A.12a	7A.12b	1		2		3		4	7A.12c	7A.12d	7A.12e
	5		6		7		8			%	Yes [ ] No [ ]
7A.13a	7A.13b	1		2		3		4	7A.13c	7A.13d	7A.13e
	5		6		7		8			%	Yes [ ] No [ ]
7A.14a	7A.14b	1		2		3		4	7A.14c	7A.14d	7A.14e
	5		6		7		8			%	Yes [ ] No [ ]
7A.15a	7A.15b	1		2		3		4	7A.15c	7A.15d	7A.15e
	5		6		7		8			%	Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [3]

and indicate the Part II, Section 6.2/7A page number in this box: [3] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00024570

File Copy -- Do Not Submit to EPA

EPA FORM R

PART II. CHEMICAL SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
[illegible]

Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	432	461	500	550
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	NA	NA	NA	NA
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	25453	26894	45000	50000
8.6	Quantity treated onsite	324745	351633	400000	450000
8.7	Quantity treated offsite	161	240	300	500
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with productionprocesses (pounds/year)			NA	
8.9	Production ratio or activity index			0.99	

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)			Yes [ ] No [X]

EPA Form 9350-1 (Rev. 2/2004) - Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year

Signature Certification for U.S. EPA Diskette Submission

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

August 16, 2006

TRI Data Processing Center
c/o Computer Sciences Corportation
Suite 300
8400 Corporate Drive
Landover, MD 20785

(301) 429-5005

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 1 chemical report(s) for our facility.
These 1 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2003	7647-01-0	Form R

Our technical point of contact is:

KOREEN LAIL
(503) 219-7994
KOREEN.LAIL@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

SCOEPA00024572

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2006	7	1	TO	2006	7	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(51-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,519	4,088	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	9.0	16.1	Kg/day	--	2.6	4.4	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	13.0	15.7	Kg/day	--	3.8	4.3	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	Kg/day	--	<0.001	<0.001	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	23.4	28.5	Kg/day	--	6.8	7.8	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.5	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319.

Siltronic Corp. by
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 8 DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
Chrome batches are no longer being treated on site. pH Excursion: pH: 9.6 for 19 mins 30 seconds.

EPA Form 3320-1 (Rev. 8-88) Previous editions may be used. (REPLACES EPA FORM T-45 WHICH MAY NOT BE USED.)

SCOEPA00024573

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: 101128
(17-18) DISCHARGE NUMBER: Outfall 001

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	Day		YEAR	MO	DAY
FROM	2006	7	1	TO	2006	7	31
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(46-53) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					2.5	9.8	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 8 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024574

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	7	1	TO	2006	7	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	163	367	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.3	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 per violation or imprisonment of between 6 months and 5 years).

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 8 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024575

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
2006	7	1	2006	7	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,682	4,304	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	77.4	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.27	7.34	9.56			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:

Karen Sail for Siltronic

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
503	243-2020	06	8	7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024576

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 043.KLL

2006-August-04

July 2006 Industrial Discharge Report

Dear Mr. Dean,

Enclosed are the July 2006 monthly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosures:
Special Account Meter Report Document
Industrial Wastewater Discharge Self-Monitoring Report

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 July 2006

SAMPLING PERIOD: July 2006

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE		pH METER BRAND			pH METER MODEL		pH Discharge Limits
#1B (Fab 2)		Orion			720A		5.0 - 11.5 S.U.
Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration		COMMENTS
					Date	Buffer used	
28 July 2006	0810	10.6	YES	NO	28 July 2006	7.0 and 10.0	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit		
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.		
DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)	COMMENTS
July 2006		No excursions		YES NO	
				YES NO	
				YES NO	
				YES NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Lai Date: 8/8/2006

N:\Environmental\FACLAB\WWTP\BES Monthly Reports\Monthly\July 2006 .doc

SCOEPA00024578

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

June-06

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	209,979	100s of GALLONS)
CURRENT READING	109367	406,037	100s of GALLONS)
CONSUMPTION	0	196,058	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,960,580	10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,960,580	* 10 GAL / 7.48 GAL/CF =	2,621,096	CF
TOTAL THROUGH OVERFL(	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,621,096	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,929,337	(10s of GALLONS)
CURRENT READING	1,979,386	(10s of GALLONS)
CONSUMPTION	50,049	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	50,049	* 10 GAL / 7.48 GAL/CF=	66,910	CF

This meter reading was reported by: C. Justin Darr on 8/2/06
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024579

siltronic
perfect silicon solutions

Myron Burr
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, MS
Portland OR 97210-3676, USA
Tel. 503-219-7832
Fax 503-219-7599
Myron.burr@siltronic.com

CERTIFIED MAIL

ER041: MB

U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue
Seattle, WA 98101

2006-07-19

RE: NSPS Boiler Semi-annual Fuel Use Report for Siltronic Corporation
(formerly Wacker Siltronic Corporation)

Attached please find our semi-annual natural gas use for the period January 1, 2006, through June 30, 2006.

Please feel free to contact me if you have any questions.

Best regards,

Siltronic Corporation

Myron Burr
Environmental Engineer

Attachment

Month	Boiler 5	Boiler 6	Boiler 7
Jan-06	3.4	0.0	5.0
Feb-06	5.0	0.0	4.4
Mar-06	5.7	0.0	2.4
Apr-06	3.6	0.0	1.3
May-06	3.8	0.0	1.8
Jun-06	3.3	1.2	1.7

(Million Cubic Feet of Natural Gas)

ER 040 : MB

National Environmental PerformanceTrack
U.S. Environmental Protection Agency

OMB No. 2010-0032
Expiration Date 08/30/06

2005 Performance Track Annual Performance Report

Siltronic Corporation
A100006

Year 2 Annual Performance Report
Member Since 2001 (2nd Member Term)

SCOEPA00024582

SECTION A: GENERAL FACILITY INFORMATION

A.1 **Name of your facility:**

Siltronic Corporation

A.2 **Name of your parent company:**

Siltronic AG

A.3 **Facility contact person for the Performance Track program:**

Name:	Mr. Myron Burr
Title:	Environmental Engineer
Phone:	(503) 219-7832
Fax:	(503) 219-7599
Email:	myron.burr@siltronic.com

A.4 **Facility location:**

Street Address:	7200 NW Front Avenue
Address Cont:	
City:	Portland
State:	OR
Zip Code:	97210-3676

Mailing address (if different from above):

Mailing Address:	
Address Cont:	
City:	
State:	

SCOEPA00024583

Zip Code:

If your facility has multiple street addresses, please list any other addresses for its sites or buildings.

A.5 **Facility's website address (if any):**

http://www.siltronic.com

A.6 **Number of employees (full-time equivalents) who currently work in the facility:**

500-1,000

A.7 **North American Industrial Classification System (NAICS) Code(s) that is(are) used to classify business at the facility:**

334413

A.8 **In your application and, perhaps, in previous annual performance reports, you described what your facility does or makes. Have there been any (additional) changes to your facility's list of products and/or activities?**

No

If yes, please list them here:

A.9 **Have the environmental requirements applicable to your facility changed during this reporting period?**

No

If yes, please describe these changes here:

A.10 **Is your facility extending its hazardous waste storage times under the "Performance Track Hazardous Waste Accumulation Rule" in accordance with 40 CFR 262.34?**

No

Section B: ENVIRONMENTAL MANAGEMENT SYSTEM

B.1.a **When was an EMS assessment last conducted by an independent party at your facility?**

2005

SCOEPA00024584

If an assessment was conducted during 2005, please provide the type (e.g., ISO 14001 certification), the scope, and the month(s) of each assessment.

Type	Scope	Dates
ISO 14001:2004 Conformance Audit	All elements of the ISO 14001:2004 Standard. Fab 2.	March 2005
ISO 14001:2004 Conformance Audit	All elements of the ISO 14001:2004 Standard. Fab 1.	September 2005

B.1.b **When was an internal EMS assessment last conducted at your facility?**

2005

If an assessment was conducted during 2005, please provide the scope and month(s) of each assessment.

Scope	Dates
Al elements fo the ISO 14001:2004 Standard. Whole facility.	November 2005

B.1.c **When was an internal or corporate compliance audit last conducted at your facility?**

2005

If an audit was conducted during 2005, please provide the scope and the month(s) of each audit, and indicate who conducted the audit(s) (e.g., facility staff, corporate groups, third party). (Don't include audits, inspections, or site visits by regulatory or external organizations).

Scope	Dates	Who conducted the audit
Environmental regulatory monitoring, inspections and reporting. Performed monthly.	March 2005	Facility staff.
Environmental regulatory monitoring, inspections and reporting. Performed monthly.	June 2005	Facility staff.
Environmental regulatory monitoring, inspections and reporting. Performed monthly.	September 2005	Facility staff.
Environmental regulatory monitoring, inspections and reporting. Performed monthly.	December 2005	Facility staff.

B.1.d **(Optional) If you would like to describe any other audits or inspections that were conducted at your facility, please do so here.**

1. Oregon Department of Environmental Quality NPDES inspection. 2. City of Portland Industrial Source Control inspection: semi-annually. 3. City of Portland Storm Water inspection. 4. EPA Risk Management Plan inspection.

B.1.e **Briefly summarize corrective actions taken and other improvements made as a result of your EMS assessments and compliance audits.**

For Risk Management Plan: certified RMP Compliance Audit; updated Contingency Plan; clarified Hazard Assessment; indicated that annual operating procedures are reviewed annually; documented operator refresher training.

B.1.f **Has your facility corrected all instances of potential non-compliance and EMS non-conformance identified during your audits and other assessments?**

Yes

If no, please explain your plans to correct these instances.

SCOEPA00024585

B.1.g **When was the last Senior Management review of your EMS completed?**

January 06

Who was the senior manager present at the review?

Name: Mr. Neil J. Nelson

Title: President & CEO

B.2.a **ISO 14001 Certification. Is your facility currently certified to ISO 14001?**

Yes

B.2.b **Is your facility a Responsible Care-certified facility?**

No

B.3 **Environmental Aspects Identification. When did your facility last conduct a systematic identification and/or review of your environmental aspects?**

March 05

SECTION C: ENVIRONMENTAL PERFORMANCE RESULTS

C.1 COMMITMENT 1

Siltronic Corporation's first commitment is to reduce the facility's discharges of toxics, specifically water soluble nitrates.

C.1.a **Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.**

By developing and implementing an acid re-use program and modifying the process, Siltronic has reduced its overall discharge of nitrates by approximately 50 percent from levels that would otherwise have been discharged.

Activities Conducted During 2004:

After several years of research and development, Siltronic Corporation invested in and successfully implemented a nitric acid re-use program in 2004. In addition, extensive testing and development was successful in reducing the amount of nitric acid needed in the manufacturing process. Overall, Siltronic's 2004 discharge of water soluble nitrates was reduced by more than 26% from the year before.

C.1.b **Please report your facility's actual performance.**

Performance Data						
	Baseline	Year 1	Year 2	Year 3	Performance	
Calendar Year	2003	2004	2005	2006	Commitment	Units

SCOEPA00024586

Actual Quantity (per year)	900,007	662,000	556,278		n/a	Pounds

C.1.c **Normalized progress toward goal.**

Normalized Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Normalizing Factor	1.0	1.21	1.32			
Normalized Quantity	900,007	547,107.44	421,422.73		700,007	Pounds
Basis for your Normalizing Factor:	Millions of wafer units produced, weighted for heterogeneity					

C.1.d **Please list any other EPA voluntary programs to which you are reporting these data.**

C.2 COMMITMENT 2

Siltronic Corporation's second commitment is to reduce the facility's total water use.

C.2.a **Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.**

In 2005, Siltronic continued its water conservation efforts by installing another water re-use system. Overall, Siltronic has reduced its water use by 11 percent from 2003 through 2005. Siltronic is continuing to evaluate methods to conserve water and to more closely align water use with production.

Activities Conducted During 2004:

Silicon wafer manufacturing has high cleanliness requirements. Water rinsing is one of the basic means to achieve this cleanliness. However, over the last several years Siltronic has been working to reduce the use of water while still maintaining the high manufacturing cleanliness requirements. One approach has been to re-use process water in some process scrubbers. In addition, we invested in and successfully implemented our latest water conservation project after two years of research. This project involved using process wastewater to keep drain lines clear instead of using city water. This water re-use project also reduced the need for maintenance on this drain system. Overall, Siltronic's 2004 water use was reduced by over 6% from the year before. Siltronic is continuing to evaluate methods to conserve water and to more closely align water use with production.

C.2.b **Please report your facility's actual performance.**

Performance Data						
	Baseline	Year 1	Year 2	Year 3	Performance	
Calendar Year	2003	2004	2005	2006	Commitment	Units
Actual Quantity (per year)	652,986,000	612,800,000	581,450,000		n/a	Gallons

C.2.c **Normalized progress toward goal.**

Normalized Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Normalizing Factor	1.0	1.21	1.32			
Normalized Quantity	652,986,000	506,446,280.99	440,492,424.24		602,986,000	Gallons
Basis for your Normalizing Factor:	Millions of wafer units produced, weighted for heterogeneity					

C.2.d **Please list any other EPA voluntary programs to which you are reporting these data.**

C.3 COMMITMENT 3

Wacker Siltronic Corporation's third commitment is to reduce the facility's materials use, specifically wire saw slurry .

C.3.a **Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.**

After two years of tetsting and development, Siltronic started to implement a new wire saw slurry reclaim system in 2005 including increasing inventory in order to build a queue of materials for the reclaim process. Full scale implementation should be completed in 2006.

Activities Conducted During 2004: In 2004, Siltronic Corporation continued to test and develop a method for reclaiming its wire saw slurry. We expect to start implementing this system in 2005.

C.3.b **Please report your facility's actual performance.**

Performance Data						
	Baseline	Year 1	Year 2	Year 3	Performance	
Calendar Year	2003	2004	2005	2006	Commitment	Units
Actual Quantity (per year)	1,282,629	1,452,808	1,438,455		n/a	Pounds

C.3.c **Normalized progress toward goal.**

Normalized Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Normalizing Factor	1.0	1.21	1.32			
Normalized Quantity	1,282,629	1,200,667.77	1,089,738.64		682,629	Pounds
Basis for your Normalizing Factor:	Millions of wafer units produced, weighted for heterogeneity.					

SCOEPA00024588

C.3.d **Please list any other EPA voluntary programs to which you are reporting these data.**

C.4 COMMITMENT 4

Siltronic Corporation's fourth commitment is to reduce the facility's total (non-transportation) energy use.

C.4.a **Briefly describe your activities and achievements related to this commitment or, if relevant, any circumstances that delayed progress this year.**

In 2005, Siltronic Corporation continued to pursue energy conservation opportunities. In particular, we evaluated and successfully implmented several electricity and natural gas conservation measures. Overall, Siltronic reduced its energy use by 6.3% from 2003 through 2005. Siltronic is continuing to evaluate methods to conserve energy and to more closely align energy use with production.

Activities Conducted During 2004:

Silicon wafer manufacturing requires the use of energy to ensure very clean conditions. However, over the last several years Siltronic has been working to reduce the use of energy while continuing to maintain very clean manufacturing conditions. In 2004, Siltronic Corporation evaluated and successfully implmented several electricity and natural gas conservation measures. Overall, Siltronic's 2004 energy use was reduced by 2.8% from the year before. Siltronic is continuing to evaluate methods to conserve energy and to more closely align energy use with production.

C.4.b **Please report your facility's actual performance.**

Energy Generated Off-Site					
	Baseline	**Year 1**	**Year 2**	**Year 3**	
Calendar Year	**2003**	**2004**	**2005**	**2006**	**Units**
Electricity Purchased					
Electricity from Grid/Utility	124,101	121,331	117,700		Mwh
Electricity from Off-Grid Renewable Sources					
Total Electricity Purchased	423,432.61	413,981.37	401,592.40		MMBtus
	If your facility purchases electricity from the grid, please confirm that the electricity geographic region shown below is correct. If incorrect, please contact the Performance Track Information Center. WECC Pacific Northwest				
Steam *EPA will be determining the greenhouse gases associated with the generation of the steam that you purchase. We will be contacting you for additional information regarding the source of the steam generated.*					
Total Energy Generated Off-Site	423,432.61	413,981.37	401,592.40		**MMBtus**

SCOEPA00024589

Sources of Energy Generated On-Site					
	Baseline	Year 1	Year 2	Year 3	
Calendar Year	2003	2004	2005	2006	Units
Coal					
Natural Gas	182,119	174,341	165,603		MMBtus
Crude Oil					
Fuel Oil					
Diesel	16.64	81.12	159.12		MMBtus
Propane/LPG					
Gasoline					
Hydrogen Powered Fuel Cells					
Natural Gas/Methane Powered Fuel Cells					
Biomass					
Solar					
Wind					
Landfill Gas					
Geothermal					
Hydroelectric					
Tire Derived Fuel					
Other Fuel or Source Specify:					
Total Energy Generated On-Site	182,135.64	174,422.12	165,762.12		MMBtus

C.4.c **Total energy use and associated greenhouse gas emissions.**

Actual Energy Use Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Total Renewable Energy Use	238,646.62	233,319.90	226,337.48		n/a	MMBtus
Total Non-Renewable Energy Use	366,921.63	355,083.59	341,017.04		n/a	MMBtus
Total Energy Use	605,568.25	588,403.49	567,354.52		n/a	MMBtus
Metric Tons of CO_2 Equivalents	47,362.67	46,113.67	44,553.11		n/a	MTCO2E
Metric Tons of CO_2 Equivalents Offset due to Investments in Green Energy, e.g. green tags						MTCO2E
Net Metric Tons of CO_2 Equivalents	47,362.67	46,113.67	44,553.11		n/a	MTCO2E

SCOEPA00024590

Normalized Energy Use Total	Baseline	Year 1	Year 2	Year 3	Performance Commitment	Units
Normalizing Factor	1.0	1.21	1.32			
Total Energy Use	605,568.25	486,283.88	429,814.03		572,819.45	MMBtus
Net Metric Tons of CO_2 Equivalents	47,362.67	38,110.47	33,752.36		44,716.29	MTCO2E
Basis for your Normalizing Factor:	Millions of wafer units produced, weighted for heterogeneity					

C.4.d **Please list any other EPA voluntary programs to which you are reporting these data.**

Progress Towards Other Significant Aspects of your EMS

In the table below, please provide a narrative summary of progress made toward EMS objectives and targets other than those reported as Environmental Performance Commitments. You may limit the summary to environmental aspects that are significant and towards which progress has been made during the reporting year.

Do you have additional environmental aspects to report?Yes

Environmental Aspect	**Progress Made This Year** (e.g., quantitative or qualitative improvements, activities conducted)
Greenhouse Gas Reduction	In addition to our commitment to conserve energy, during 2005 Siltronic explored renewable wind energy purchase options with our local utility. As a result of these discussions, a contract was signed in February 2006 to purchase wind energy to offset a portion of our electricity use, and to reduce the emission of greenhouse gases.
Chemical Use Reduction	In addition to our commitment to reclaim process materials, during 2005 Siltronic tested several methods to reduce chemical use. As a result of these efforts, Siltronic has continued to successfully reduced its chemical use.

Attachments (if applicable) :

SECTION D: PUBLIC OUTREACH AND PERFORMANCE REPORTING

D.1 **Please briefly describe the activities that your facility conducted during the year to interact with the community on environmental issues and to report publicly on environmental performance.**

1. Hosted PTRACK Regional Member Event. 2. Met with representatives from Xerox Corporation (Wilsonville, OR) to encourage PTRACK membership. 3. Worked with City of Portland and Portland General Electric to evaluate the feasibility of hydrogen re-use. 4. Siltronic's Environmental Affairs Manager testified at Oregon State legislature regarding proposed environmental legislation. 5. One of Siltronic's environmental engineers testified at a drought Forum at the request of US Senator Wyden's office. 6. Siltronic promoted the local Car Free commute month within the company.

D.2 **Please indicate which of the following methods your facility plans to use to make its Performance Track Annual Performance Report available to the public. Please check all that apply.**

Web Site
URL: http://www.siltronic.com

Attachments (if applicable):

SCOEPA00024591

OMB No. 2010-0032

SECTION E: SELF-CERTIFICATION OF CONTINUED PROGRAM PARTICIPATION

The U.S. Environmental Protection Agency is not yet in a position to accept electronic signatures and therefore requests a faxed, signed copy of the Section E page. Please complete Section E online, then print Section E using the link on the Overview page.Section E should be signed by the senior manager of your facility and faxed it to the Performance Track Information Center at (617) 354-0463.

On behalf of Siltronic Corporation, I certify that:

- I have read and agree to the terms and conditions as specified in the National Enviromental Performance Track Program Guide. This facility, to the best of my knowledge, continues to meet all program criteria;
- I have personally examined and am familiar with the information contained in this Annual Performance Report. The information contained in this report is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete;
- My facility has an environmental management system (EMS), as defined in the Performance Track EMS criteria, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements; and the facility has corrected all identified instances of potential or actual noncompliance; and
- Based on the foregoing compliance assessments and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environment Performance Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision. I am the senior manager with responsibility for the facility and am fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is part of the National Environmental Performance Track program.

Signature/Date:	_____
Name:	Mr. Neil J. Nelson
Title:	President & CEO
Phone Number:	503-219-7500
E-Mail Address:	neil.nelson@siltronic.com
Facility Name:	Siltronic Corporation
Facility Street Address:	7200 NW Front Avenue Portland, OR 97210-3676
Mailing Address:	,
Performance Track ID#:	A100006

SCOEPA00024592

OMB No. 2010-0032

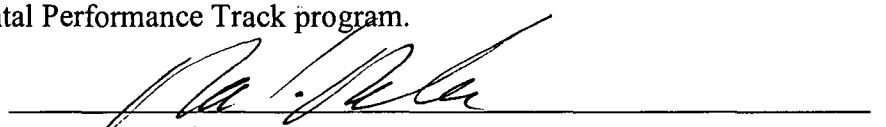
SECTION E: SELF-CERTIFICATION OF CONTINUED PROGRAM PARTICIPATION

The U.S. Environmental Protection Agency is not yet in a position to accept electronic signatures and therefore requests a faxed, signed copy of the Section E page. Please complete Section E online, then print Section E using the link on the Overview page.Section E should be signed by the senior manager of your facility and faxed it to the Performance Track Information Center at (617) 354-0463.

On behalf of Siltronic Corporation, I certify that:

- I have read and agree to the terms and conditions as specified in the National Enviromental Performance Track Program Guide. This facility, to the best of my knowledge, continues to meet all program criteria;
- I have personally examined and am familiar with the information contained in this Annual Performance Report. The information contained in this report is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete;
- My facility has an environmental management system (EMS), as defined in the Performance Track EMS criteria, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements; and the facility has corrected all identified instances of potential or actual noncompliance; and
- Based on the foregoing compliance assessments and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environment Performance Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision. I am the senior manager with responsibility for the facility and am fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is part of the National Environmental Performance Track program.

Signature/Date:	
Name:	Mr. Neil J. Nelson
Title:	President & CEO
Phone Number:	503-219-7500
E-Mail Address:	neil.nelson@siltronic.com
Facility Name:	Siltronic Corporation
Facility Street Address:	7200 NW Front Avenue Portland, OR 97210-3676
Mailing Address:	,
Performance Track ID#:	A100006

SCOEPA00024593

****
*** TX REPORT ***
****

TRANSMISSION OK

TX/RX NO	3204
CONNECTION TEL	916173540463
CONNECTION ID	
ST. TIME	03/27 13:17
USAGE T	00'38
PGS. SENT	1
RESULT	OK

OMB No. 2010-0032

SECTION E: SELF-CERTIFICATION OF CONTINUED PROGRAM PARTICIPATION

The U.S. Environmental Protection Agency is not yet in a position to accept electronic signatures and therefore requests a faxed, signed copy of the Section E page. Please complete Section E online, then print Section E using the link on the Overview page.Section E should be signed by the senior manager of your facility and faxed it to the Performance Track Information Center at (617) 354-0463.

On behalf of Siltronic Corporation, I certify that:

- I have read and agree to the terms and conditions as specified in the National Enviromental Performance Track Program Guide. This facility, to the best of my knowledge, continues to meet all program criteria;
- I have personally examined and am familiar with the information contained in this Annual Performance Report. The information contained in this report is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete;
- My facility has an environmental management system (EMS), as defined in the Performance Track EMS criteria, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements; and the facility has corrected all identified instances of potential or actual noncompliance; and
- Based on the foregoing compliance assessments and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environment Performance Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision. I am the senior manager with responsibility for the facility and am fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is part of the National Environmental Performance Track program.

Signature/Date: _____

PERMITTEE NAME: [illegible] (Include Facility Name/Location [illegible])

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT [illegible] ELIMINATION SYSTEM (NPDES)
DISCHARGE M[illegible]TORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	6	1	TO	2006	6	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste	SAMPLE MEASUREMENT	3,289	3,990	M^3/day	--	--	--	--		Continuous	
Water Flow	PERMIT REQUIREMENT	--	--		--	--	--			totalizing recorder	
BOD	SAMPLE MEASUREMENT	9.3	14.3	Kg/day	--	3.0	4.5	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	14.2	21.0	Kg/day	--	4.5	6.5	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	0.004	0.009	Kg/day	--	0.001	0.003	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	18.5	19.6	Kg/day	--	5.9	6.2	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years)

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	06	7	10
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chrome batches are no longer being treated on site. pH Excursion: None

KLL: 056

SCOEPA00024595

PERMITTEE NAME: [redacted] (Include Facility Name/Location if Different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT [redacted] ELIMINATION SYSTEM (NPDES)
DISCHARGE [redacted] ITORING REPORT (DMR)

(2-16)	(17-18)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	6	1	TO	2006	6	30
	(19-21)	(22-24)	(25-26)		(27-30)	(31-32)	(33-34)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	0.02	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					6.8	11.3	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 7 | DAY 10

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024596

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(C-16)	(17-18)
101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	6	1	TO	2006	6	30
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-69)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	140	307	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.4	0.6	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 7 | DAY 10

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024597

PERMITTEE NAME/[illegible] (Include Facility Name/Location [illegible])

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT [illegible] ELIMINATION SYSTEM (NPDES)
DISCHARGE M[illegible]TORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	6	1	TO	2006	6	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,429	4,179	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	77.3	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.15	7.38	8.20			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years)

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	06	7	10
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024598

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

ER: 035.KLL

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

2006-July-07

JUNE 2006 Industrial Discharge Report

Dear Mr. Dean,

Enclosed are the June 2006 monthly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Also enclosed are the quarterly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosures:
Special Account Meter Report Document
Industrial Wastewater Discharge Self-Monitoring Report

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 July 2006

SAMPLING PERIOD: June 2006

For Industrial Source Control Division Use Only

Date Postmarked/Received | Date Entered

Entered By:

Comments:

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE		pH METER BRAND			pH METER MODEL		pH Discharge Limits
#1B (Fab 2)		Orion			720A		5.0 - 11.5 S.U.
Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration Date	pH Meter Calibration Buffer used	COMMENTS
30 Jun 2006	1320	10.1	YES	NO	30 Jun 2006	7 and 10	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit	
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.	

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
June 2006		No Excursions		YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Said for Siltronic Date: 7/11/06

N:\Environmental\FACLAB\WWTP\BES Monthly Reports\Monthly\June 2006.doc

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 July 2006

SAMPLING PERIOD: June 2006

For Industrial Source Control Division Use Only

Date Postmarked/Received | Date Entered

Entered By:

Comments:

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	GRAB

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION		MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
TTOs (Volatiles)	EPA 8260B	0.013	mg/L	0.01 mg/L	1.37 mg/L	N/A	SEE CERTIFICATION STATEMENT BELOW

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	COMPOSITE

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION		MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
Arsenic (Total)	EPA 200.8	0.0013	mg/L	0.001 mg/L	0.2 mg/L	0.83 mg/L	
Total Suspended Solids	SM 2540D	156	mg/L	0.1 mg/L	N/A	N/A	

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to the control authority.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Lair for Siltronic Date: 7/11/06

SCOEPA00024601

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

June-06

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	209,979	100s of GALLONS)
CURRENT READING	109367	406,037	100s of GALLONS)
CONSUMPTION	0	196,058	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,960,580	(10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,960,580	* 10 GAL / 7.48 GAL/CF =	2,621,096 CF
TOTAL THROUGH OVERFL(	0	* 10 GAL / 7.48 GAL/CF =	0 CF
TOTAL CONSUMPTION			2,621,096 CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,929,337	(10s of GALLONS)
CURRENT READING	1,979,386	(10s of GALLONS)
CONSUMPTION	50,049	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	50,049	* 10 GAL / 7.48 GAL/CF=	66,910 CF

This meter reading was reported by: _____ on 7/6/06
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024602

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9[illegible] FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

CLIENT: Siltronic

REPORT TO: Tom Rothschild
ADDRESS: 7200 NW Front Ave
Portland, OR
PHONE: 503-219-7374 FAX: 503-219-4144

INVOICE TO: Accts. Payable

P.O. NUMBER: 4500186654

PROJECT NAME: Quarterly
PROJECT NUMBER: 47-50
SAMPLED BY: Dianne Irish

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: ~~10~~ STD. 7 5 4 3 2 1 <1
Petroleum Hydrocarbon Analyses: 5 STD. 4 3 2 1 <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	BOD	Cr(T)	8260	8270	1-2-Di phenyl hydrazine	IPA	As(T)							MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	06-47-CE-C	6-1-06 0730	X	X												W	2		
2	06-48-CE-S	6-1-06 0730			X	X	X									W	4		
3	06-49-OWW-C	6-1-06 0730							X							W	1		
4	~~06-49~~ DI																		
5	06-50-OWW-S	6-1-06 0730			X			X								W	3		
6																			
7																			
8																			
9																			
10																			

RELEASED BY: Dianne Irish DATE: 6-1-06
PRINT NAME: Dianne Irish FIRM: Siltronic TIME:

RECEIVED BY: [illegible] DATE: [illegible]
PRINT NAME: [illegible] FIRM: TAP TIME: [illegible]

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

TEMP:

PAGE OF

COC REV 09/2004

SCOEPA00024603

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name: **Wastewater**	
7200 N.W. Front Ave	Project Number: PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager: Thomas Rothschild	06/21/06 16:35

METALS

Del Mar Analytical - Irvine

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPF0035-01 (06-47-CE-C)			Water				**Sampled: 06/01/06 07:30**			
Chromium	EPA 200.8	**0.00087**	*0.00056*	0.0020	mg/l	1x	6F16096	06/16/06 11:05	06/16/06 21:57	J
PPF0035-03 (06-49-OWW-C)			Water				**Sampled: 06/01/06 07:30**			
Arsenic	EPA 200.8	**0.0013**	-----	0.0010	mg/l	1x	6F16096	06/16/06 11:05	06/16/06 22:00	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024604

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name: **Wastewater**	
7200 N.W. Front Ave	Project Number: PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager: Thomas Rothschild	06/21/06 16:35

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPF0035-04 (06-50-OWW-G)		**Water**			**Sampled: 06/01/06 07:30**					
Acetone	EPA 8260B	**299**	-----	25.0	ug/l	1x	6060213	06/06/06 08:10	06/06/06 15:35	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone (MEK)	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	**4.03**	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024605

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name: **Wastewater**	
7200 N.W. Front Ave	Project Number: PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager: Thomas Rothschild	06/21/06 16:35

Volatile Organic Compounds per EPA Method 8260B

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPF0035-04 (06-50-OWW-G)		**Water**			**Sampled: 06/01/06 07:30**					
Ethylbenzene	EPA 8260B	ND	-----	1.00	ug/l	1x	6060213	06/06/06 08:10	06/06/06 15:35	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	12.7	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): 4-BFB		*102%*			*80 - 120 %*	"			"	
1,2-DCA-d4		*109%*			*80 - 120 %*	"			"	
Dibromofluoromethane		*108%*			*80 - 120 %*	"			"	
Toluene-d8		*101%*			*80 - 120 %*	"			"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024606

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 6.29.06 Oven Temp: 104 C Analyst: Di

Date In: 6.29.06 Time In/Out: 1000 / 1400

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0905	0.0905	
2	CE	500	0.0933	0.0899	6.8
5	CE	500	0.0922	0.0891	6.2
				Average CE TSS	6.5
6	OWW	100	0.1050	0.0894	156
7	OWW	100	0.1052	0.0897	155.
				Average OWW TSS	155.5
				Average TSS	
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 19 Oct 2005 Revised

SCOEPA00024607

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
2006	9	1	2006	9	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (61-61)	SAMPLE TYPE (59-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,286	3,801	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	7.2	7.6	Kg/day	--	2.0	2.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	12.7	17.4	Kg/day	--	3.6	5.2	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	0.004	0.005	Kg/day	--	0.001	0.002	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	30.0	35.7	Kg/day	--	8.3	9.4	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.4	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years.)

Siltronic Corp by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 10 DAY 3

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chrome batches are no longer being treated on site. pH Excursion: NONE

SCOEPA00024608

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(5-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

FROM YEAR (70-71)	MO (72-73)	DAY (74-75)	TO YEAR (76-77)	MO (78-79)	DAY (80-81)
2006	9	1	2006	9	30

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					1.8	7.6	NTC		6/1	Grab
	PERMIT REQUIREMENT									(One sample every 4 hours)	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and up to maximum imprisonment of between 6 months and 5 years).

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 10 DAY 3

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024609

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	9	1	TO	2006	9	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	237	564	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.6	0.7	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 10 | DAY 3

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024610

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	9	1	TO	2006	9	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(3 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,516	4,191	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	77.0	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.40	7.34	7.95			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years)

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 10 DAY 3

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024611

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 065.KLL

2006-September-03

September 2006 Industrial Discharge Report

Dear Mr. Dean,

Enclosed are the September 2006 monthly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Also enclosed are the quarterly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosures:
Special Account Meter Report Document
Industrial Wastewater Discharge Self-Monitoring Report

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 October 2006

SAMPLING PERIOD: September 2006

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	GRAB

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
TTOs (Volatiles)	EPA 8260B	N/A	N/A	1.37 mg/L	N/A	SEE CERTIFICATION STATEMENT BELOW

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	COMPOSITE

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
Arsenic (Total)	EPA 200.8	0.0016 mg/L	0.001 mg/L	0.2 mg/L	0.83 mg/L	
Total Suspended Solids	SM 2540D	166.5 mg/L	0.1 mg/L	N/A	N/A	

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to the control authority.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Kreen Lail for Siltronic Date: 10/3/2006

SCOEPA00024613

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 October 2006

SAMPLING PERIOD: September 2006

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By:
Comments:	

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Discharge Limits
#1B (Fab 2)	Orion	720A	5.0 - 11.5 S.U.

Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration Date	pH Meter Calibration Buffer used	COMMENTS
29 Sep 2006	0800	9.3 SU	YES	(NO)	29 Sep 2006	7.0 and 10.0	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
September 2006		No Excursions		YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: for Siltronic Date: 10/3/2006

N:\Environmental\FACLAB\WWTP\BES Monthly Reports\Monthly\September 2006.doc

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
503-219-7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

September-06

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	6,126	(100s of GALLONS)
CURRENT READING	109367	211,984	(100s of GALLONS)
CONSUMPTION	0	205,858	(100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	2,058,580	(10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	2,058,580	* 10 GAL / 7.48 GAL/CF =	2,752,112 CF
TOTAL THROUGH OVERFLOW	0	* 10 GAL / 7.48 GAL/CF =	0 CF
TOTAL CONSUMPTION			2,752,112 CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	2,089,290	(10s of GALLONS)
CURRENT READING	2,134,376	(10s of GALLONS)
CONSUMPTION	45,086	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	45,086	* 10 GAL / 7.48 GAL/CF=	60,275 CF

This meter reading was reported by: Dianne Irish for CJ Darr on 10/02/06
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024615

TestAmerica
ANALYTICAL TESTING CORPORATION

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E. First Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PPIC167

CLIENT: Siltronic

INVOICE TO: Accts Payable

REPORT TO: Tom Rothschild
ADDRESS: 7200 N W Front Ave
Portland, OR
PHONE: 503-219-7374 FAX: 503-219-4144

P.O. NUMBER: 4500186654

PROJECT NAME:

PROJECT NUMBER:

SAMPLED BY:

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: [10] STD [7] [5] [4] [3] [2] [1] [<1]
Petroleum Hydrocarbon Analyses: [5] STD [4] [3] [2] [1] [<1]
[OTHER] Specify:
* Turnaround Requests less than standard may incur Rush Charges

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: BOD	Cr(T)	608	624	625	As(T)	MATRIX (W, S, O)	# OF CONT	LOCATION COMMENTS	TA WO ID
1 06-77-CE-C	9-6-06 0630		X	X					W	2		
2 0678-CE-g	9-6-06 0630				X	X	X		W	5		
3 06-79-OWO-C	9-6-06 0630							X	W	1		
4												
5												
6												
7												
8												
9												
10												

RELEASED BY: Dianne Irish DATE: 9-6-06
PRINT NAME: Dianne Irish FIRM: Siltronic TIME: 13:12
RECEIVED BY: Bob F DATE: 9/6/06
PRINT NAME: Bob F FIRM: TAP TIME: 13:12

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:
RECEIVED BY: DATE: 9/6
PRINT NAME: FIRM: TIME: 13:57

ADDITIONAL REMARKS:

COC REV 05 2006

TEMP:

PAGE OF

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and for any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice unless otherwise contracted. Sample(s) will be disposed of after 30 days unless otherwise contracted.

5.9

Non-Conformances?
Circle Y or N
(If Y, see other side)

TEST AMERICA SAMPLE RECEIPT CHECKLIST

Received By: (applies to temp at receipt)
Date: 9/6/06
Time: 1342
Initials: BF

Logged-in By:
Date: 9/6
Initials: LK

Unpacked/Labeled By:
Date: 9/6
Initials: LK

Cooler ID: ____ (____ of ____)
Work Order No. PPI0153
Client: Siltronics
Project: _____

Container Type:
1 Cooler
___ Box
___ None/Other _____

COC Seals:
___ Ship. Container ___ Sign By
___ On Bottles ✓ ___ Date
___ None

Packing Material
___ Bubble Bags ___ Styrofoam
___ Foam Packs
___ None/Other Other bagged

Refrigerant:
___ Gel Ice Pack _____ ___ None
X Loose Ice
1 None/Other _____

Received Via: Bill#
___ Fed Ex ___ Client
___ UPS X NCA Courier
___ DHL ___ Mid Valley
___ Senvoy ___ TDP
___ GS ___ Other _____

Cooler Temperature (IR): 5.1 °C Plastic Glass (circle one) (Frozen filters, Tediars and aqueous Metals exempt)

Temperature Blank? ____ °C or NA Trip Blank? Y or N or NA

Sample Containers:		ID			ID
Intact?	Y or N	_____	Metals Preserved?	Y or N or NA	LK
Provided by NCA?	Y or N	_____	Client QAPP Preserved?	Y or N or NA	_____
Correct Type?	Y or N	_____	Adequate Volume? (for tests requested)	Y or N	_____
#Containers match COC?	Y or N	_____	Water VOAs. Headspace?	Y or N or NA	_____
IDs/time/date match COC?	Y or N	_____	Comments:		
Hold Times in hold?	Y or N	_____			

PROJECT MANAGEMENT

Is the Chain of Custody complete? Y or N If N, circle the items that were incomplete

Comments, Problems _____

Total access set up? Y or N
Has client been contacted regarding non-conformances? Y or N If Y ____/____ Date Time

PM Initials: _____ Date: _____ Time: _____

(rev 3 09/12/05)

SCOEPA00024617

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

September 20, 2006

Thomas Rothschild
Siltronic
7200 N.W. Front Ave
Portland, OR 97210

RE: Wastewater

Enclosed are the results of analyses for samples received by the laboratory on 09/06/06 13:57. The following list is a summary of the Work Orders contained in this report, generated on 09/20/06 19:38.

If you have any questions concerning this report, please feel free to contact me.

Work Order	Project	ProjectNumber
PPI0153	Wastewater	PO# 4500186654

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian L Cone

Brian Cone, Industrial Services Manager

SCOEPA00024618

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
06-77-CE-C	PPI0153-01	Water	09/06/06 06:30	09/06/06 13:57
06-78-CE-g	PPI0153-02	Water	09/06/06 06:30	09/06/06 13:57
06-79-OWW-C	PPI0153-03	Water	09/06/06 06:30	09/06/06 13:57

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian L Cone

Brian Cone, Industrial Services Manager

SCOEPA00024619

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Organochlorine Pesticides and PCBs per EPA Method 608

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PP10153-02 (06-78-CE-g)		**Water**			**Sampled: 09/06/06 06:30**					
Aldrin	EPA 608	ND	-----	0.0952	ug/l	1x	6090325	09/08/06 18:20	09/14/06 20:34	
alpha-BHC	"	ND	-----	0.0952	"	"	"	"	"	
beta-BHC	"	ND	-----	0.0952	"	"	"	"	"	
delta-BHC	"	ND	-----	0.0952	"	"	"	"	"	
gamma-BHC (Lindane)	"	ND	-----	0.0952	"	"	"	"	"	
Chlordane (tech)	"	ND	-----	4.76	"	"	"	"	"	
alpha-Chlordane	"	ND	-----	0.0952	"	"	"	"	"	
gamma-Chlordane	"	ND	-----	0.0952	"	"	"	"	"	
4,4'-DDD	"	ND	-----	0.0952	"	"	"	"	"	
4,4'-DDE	"	ND	-----	0.0952	"	"	"	"	"	
4,4'-DDT	"	ND	-----	0.0952	"	"	"	"	"	
Dieldrin	"	ND	-----	0.0952	"	"	"	"	"	
Endosulfan I	"	ND	-----	0.0952	"	"	"	"	"	
Endosulfan II	"	ND	-----	0.0952	"	"	"	"	"	
Endosulfan sulfate	"	ND	-----	0.0952	"	"	"	"	"	
Endrin	"	ND	-----	0.0952	"	"	"	"	"	
Endrin aldehyde	"	ND	-----	0.0952	"	"	"	"	"	
Heptachlor	"	ND	-----	0.0952	"	"	"	"	"	
Heptachlor epoxide	"	ND	-----	0.0952	"	"	"	"	"	
Methoxychlor	"	ND	-----	0.0952	"	"	"	"	"	
Toxaphene	"	ND	-----	4.76	"	"	"	"	"	
Aroclor 1016	"	ND	-----	0.476	"	"	"	"	09/13/06 21:25	
Aroclor 1221	"	ND	-----	0.952	"	"	"	"	"	
Aroclor 1232	"	ND	-----	0.476	"	"	"	"	"	
Aroclor 1242	"	ND	-----	0.476	"	"	"	"	"	
Aroclor 1248	"	ND	-----	0.476	"	"	"	"	"	
Aroclor 1254	"	ND	-----	0.476	"	"	"	"	"	
Aroclor 1260	"	ND	-----	0.476	"	"	"	"	"	
Surrogate(s): *2,4,5,6-Tetrachloro-m-xylene*		*75.8%*			*16 - 137 %*	"			*09/14/06 20:34*	
Decachlorobiphenyl		*51.3%*			*12 - 130 %*	"			*09/13/06 21:25*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024620

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625

TestAmerica - Portland, OR

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI0153-02 (06-78-CE-g)		**Water**			**Sampled: 09/06/06 06:30**					
Acenaphthene	EPA 625	ND	-----	4.85	ug/l	1x	6090324	09/08/06 16:30	09/13/06 05:58	
Acenaphthylene	"	ND	-----	4.85	"	"	"	"	"	
Anthracene	"	ND	-----	4.85	"	"	"	"	"	
Benzidine	"	ND	-----	58.3	"	"	"	"	"	
Benzo (a) anthracene	"	ND	-----	4.85	"	"	"	"	"	
Benzo (a) pyrene	"	ND	-----	4.85	"	"	"	"	"	
Benzo (b) fluoranthene	"	ND	-----	4.85	"	"	"	"	"	
Benzo (ghi) perylene	"	ND	-----	4.85	"	"	"	"	"	
Benzo (k) fluoranthene	"	ND	-----	4.85	"	"	"	"	"	
4-Bromophenyl phenyl ether	"	ND	-----	4.85	"	"	"	"	"	
Butyl benzyl phthalate	"	ND	-----	4.85	"	"	"	"	"	
4-Chloro-3-methylphenol	"	ND	-----	4.85	"	"	"	"	"	
Bis(2-chloroethoxy)methane	"	ND	-----	9.71	"	"	"	"	"	
Bis(2-chloroethyl)ether	"	ND	-----	4.85	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	"	ND	-----	9.71	"	"	"	"	"	
2-Chloronaphthalene	"	ND	-----	4.85	"	"	"	"	"	
2-Chlorophenol	"	ND	-----	4.85	"	"	"	"	"	
4-Chlorophenyl phenyl ether	"	ND	-----	4.85	"	"	"	"	"	
Chrysene	"	ND	-----	4.85	"	"	"	"	"	
Di-n-butyl phthalate	"	ND	-----	4.85	"	"	"	"	"	
Di-n-octyl phthalate	"	ND	-----	4.85	"	"	"	"	"	
Dibenzo (a,h) anthracene	"	ND	-----	4.85	"	"	"	"	"	
1,2 Diphenylhydrazine (as Azobenzene)	"	ND	-----	4.85	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	4.85	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	4.85	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	4.85	"	"	"	"	"	
3,3'-Dichlorobenzidine	"	ND	-----	4.85	"	"	"	"	"	
2,4-Dichlorophenol	"	ND	-----	4.85	"	"	"	"	"	
Diethyl phthalate	"	ND	-----	4.85	"	"	"	"	"	
2,4-Dimethylphenol	"	ND	-----	9.71	"	"	"	"	"	
Dimethyl phthalate	"	ND	-----	4.85	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	"	ND	-----	9.71	"	"	"	"	"	
2,4-Dinitrophenol	"	ND	-----	24.3	"	"	"	"	"	
2,4-Dinitrotoluene	"	ND	-----	4.85	"	"	"	"	"	
2,6-Dinitrotoluene	"	ND	-----	4.85	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	"	ND	-----	9.71	"	"	"	"	"	
Fluoranthene	"	ND	-----	4.85	"	"	"	"	"	
Fluorene	"	ND	-----	4.85	"	"	"	"	"	
Hexachlorobenzene	"	ND	-----	4.85	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	9.71	"	"	"	"	"	
Hexachlorocyclopentadiene	"	ND	-----	9.71	"	"	"	"	"	
Hexachloroethane	"	ND	-----	9.71	"	"	"	"	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian L Cone

Brian Cone, Industrial Services Manager

SCOEPA00024621

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625

TestAmerica - Portland, OR

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI0153-02 (06-78-CE-g)		**Water**			**Sampled: 09/06/06 06:30**					
Indeno (1,2,3-cd) pyrene	EPA 625	ND	-----	4.85	ug/l	1x	6090324	09/08/06 16:30	09/13/06 05:58	
Isophorone	"	ND	-----	4.85	"	"	"	"	"	
Naphthalene	"	ND	-----	4.85	"	"	"	"	"	
Nitrobenzene	"	ND	-----	4.85	"	"	"	"	"	
2-Nitrophenol	"	ND	-----	4.85	"	"	"	"	"	
4-Nitrophenol	"	ND	-----	24.3	"	"	"	"	"	
N-Nitrosodimethylamine	"	ND	-----	4.85	"	"	"	"	"	
N-Nitrosodi-n-propylamine	"	ND	-----	9.71	"	"	"	"	"	
N-Nitrosodiphenylamine	"	ND	-----	4.85	"	"	"	"	"	
Pentachlorophenol	"	ND	-----	9.71	"	"	"	"	"	
Phenanthrene	"	ND	-----	4.85	"	"	"	"	"	
Phenol	"	ND	-----	4.85	"	"	"	"	"	
Pyrene	"	ND	-----	4.85	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	4.85	"	"	"	"	"	
2,4,6-Trichlorophenol	"	ND	-----	4.85	"	"	"	"	"	
Surrogate(s): 2-Fluorobiphenyl			*54.9%*		*20 - 120 %*	"			"	
2-Fluorophenol			*50.7%*		*10 - 120 %*	"			"	
Nitrobenzene-d5			*61.5%*		*25 - 130 %*	"			"	
Phenol-d6			*57.2%*		*10 - 120 %*	"			"	
p-Terphenyl-d14			*79.9%*		*35 - 130 %*	"			"	
2,4,6-Tribromophenol			*74.0%*		*20 - 130 %*	"			"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024622

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Conventional Chemistry Parameters per APHA/EPA Methods

TestAmerica - Portland, OR

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI0153-01 (06-77-CE-C)		**Water**			**Sampled: 09/06/06 06:30**					
Biochemical Oxygen Demand	EPA 405.1	ND	-----	4.00	mg/l	1x	6090289	09/07/06 18:09	09/12/06 14:00	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian L Cone

Brian Cone, Industrial Services Manager

SCOEPA00024623

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Total Metals by EPA 200 Series Methods

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI0153-01 (06-77-CE-C)		**Water**			**Sampled: 09/06/06 06:30**					
Chromium	EPA 200.8	0.00163	-----	0.00100	mg/l	1x	6113055	09/13/06 17:53	09/15/06 16:05	
PPI0153-03 (06-79-OWW-C)		**Water**			**Sampled: 09/06/06 06:30**					
Arsenic	EPA 200.8	0.00116	-----	0.00100	mg/l	1x	6113055	09/13/06 17:53	09/15/06 16:46	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024624

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Purgeables by EPA Method 624

TestAmerica - Seattle, WA

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPI0153-02 (06-78-CE-g)		**Water**			**Sampled: 09/06/06 06:30**					
Acrolein	EPA 624	ND	-----	5.00	ug/l	1x	6I12035	09/12/06 13:54	09/12/06 21:44	
Acrylonitrile	"	ND	-----	5.00	"	"	"	"	"	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	2.00	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	Q-41
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	**3.94**	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	Q-41
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
Surrogate(s): 1,2-DCA-d4		*106%*			*70 - 130 %*	"			"	
Toluene-d8		*101%*			*70 - 130 %*	"			"	
4-BFB		*100%*			*70 - 130 %*	"			"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024625

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Organochlorine Pesticides and PCBs per EPA Method 608 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090325 **Water Preparation Method: EPA 3510/600 Series**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6090325-BLK1)									Extracted: 09/08/06 18:20					
Aldrin	EPA 608	ND	---	0.100	ug/l	1x	--	--	--	--	--	--	09/14/06 18:28	
alpha-BHC	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
beta-BHC	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
delta-BHC	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
gamma-BHC (Lindane)	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Chlordane (tech)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
alpha-Chlordane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
gamma-Chlordane	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
4,4'-DDD	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
4,4'-DDE	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
4,4'-DDT	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Dieldrin	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Endosulfan I	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Endosulfan II	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Endosulfan sulfate	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Endrin	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Endrin aldehyde	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Heptachlor	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Heptachlor epoxide	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Methoxychlor	"	ND	---	0.100	"	"	--	--	--	--	--	--	"	
Toxaphene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Aroclor 1016	"	ND	---	0.500	"	"	--	--	--	--	--	--	09/13/06 17:26	
Aroclor 1221	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Aroclor 1232	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Aroclor 1242	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Aroclor 1248	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Aroclor 1254	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Aroclor 1260	"	ND	---	0.500	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene		*Recovery: 79.8%*			*Limits: 16-137%*	"							*09 14 06 18:28*	
Decachlorobiphenyl			*62.0%*			*12-130%*	"						*09 13 06 17:26*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024626

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name: **Wastewater**	
7200 N.W. Front Ave	Project Number: PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager: Thomas Rothschild	09/20/06 19:38

Organochlorine Pesticides and PCBs per EPA Method 608 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090325 **Water Preparation Method: EPA 3510/600 Series**

Analyte	Method	Result	MDL[A]	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6090325-BS1)								**Extracted: 09/08/06 18:20**						
Aldrin	EPA 608	0.416	---	0.100	ug/l	1x	--	0.500	83.2%	(42-122)	--	--	09/14/06 18:53	
gamma-BHC (Lindane)	"	0.424	---	0.100	"	"	--	"	84.8%	(32-127)	--	--	"	
4,4'-DDT	"	0.417	---	0.100	"	"	--	"	83.4%	(25-160)	--	--	"	
Dieldrin	"	0.427	---	0.100	"	"	--	"	85.4%	(36-146)	--	--	"	
Endrin	"	0.438	---	0.100	"	"	--	"	87.6%	(30-147)	--	--	"	
Heptachlor	"	0.431	---	0.100	"	"	--	"	86.2%	(34-111)	--	--	"	
Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene		*Recovery: 76.4%*			*Limits: 16-137%*	"							*09/14/06 18:53*	
Decachlorobiphenyl			*67.0%*		*12-130%*	"							"	
LCS (6090325-BS2)								**Extracted: 09/08/06 18:20**						
Aroclor 1016	EPA 608	4.44	---	0.500	ug/l	1x	--	5.00	88.8%	(50-114)	--	--	09/13/06 17:45	
Aroclor 1260	"	4.12	---	0.500	"	"	--	"	82.4%	(8-127)	--	--	"	
Surrogate(s): Decachlorobiphenyl		*Recovery: 75.6%*			*Limits: 12-130%*	"							*09/13/06 17:45*	
LCS Dup (6090325-BSD1)								**Extracted: 09/08/06 18:20**						
Aldrin	EPA 608	0.461	---	0.100	ug/l	1x	--	0.500	92.2%	(42-122)	10.3%	(22)	09/14/06 19:18	
gamma-BHC (Lindane)	"	0.458	---	0.100	"	"	--	"	91.6%	(32-127)	7.71%	"	"	
4,4'-DDT	"	0.460	---	0.100	"	"	--	"	92.0%	(25-160)	9.81%	"	"	
Dieldrin	"	0.459	---	0.100	"	"	--	"	91.8%	(36-146)	7.22%	"	"	
Endrin	"	0.490	---	0.100	"	"	--	"	98.0%	(30-147)	11.2%	"	"	
Heptachlor	"	0.471	---	0.100	"	"	--	"	94.2%	(34-111)	8.87%	"	"	
Surrogate(s): 2,4,5,6-Tetrachloro-m-xylene		*Recovery: 89.8%*			*Limits: 16-137%*	"							*09/14/06 19:18*	
Decachlorobiphenyl			*68.8%*		*12-130%*	"							"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024627

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090324 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6090324-BLK1)								Extracted: 09/08/06 16:30						
Acenaphthene	EPA 625	ND	---	5.00	ug/l	1x	--	--	--	--	--	--	09/12/06 23:06	
Acenaphthylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzidine	"	ND	---	60.0	"	"	--	--	--	--	--	--	"	
Benzo (a) anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (a) pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (b) fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (ghi) perylene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzo (k) fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Bromophenyl phenyl ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Butyl benzyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chloro-3-methylphenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethoxy)methane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Bis(2-chloroethyl)ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bis(2-chloroisopropyl)ether	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2-Chloronaphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Chlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Chlorophenyl phenyl ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chrysene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Di-n-butyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Di-n-octyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibenzo (a,h) anthracene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2 Diphenylhydrazine (as Azobenzene)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
3,3'-Dichlorobenzidine	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4-Dichlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Diethyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4-Dimethylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Dimethyl phthalate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4,6-Dinitro-2-methylphenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
2,4-Dinitrophenol	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
2,4-Dinitrotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,6-Dinitrotoluene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Bis(2-ethylhexyl)phthalate	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Fluoranthene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Fluorene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Hexachlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024628

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090324 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6090324-BLK1)								Extracted: 09/08/06 16:30						
Hexachlorobutadiene	EPA 625	ND	---	10.0	ug/l	1x	--	--	--	--	--	--	09/12/06 23:06	
Hexachlorocyclopentadiene	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Hexachloroethane	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Indeno (1,2,3-cd) pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Isophorone	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Naphthalene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Nitrobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2-Nitrophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
4-Nitrophenol	"	ND	---	25.0	"	"	--	--	--	--	--	--	"	
N-Nitrosodimethylamine	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
N-Nitrosodi-n-propylamine	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
N-Nitrosodiphenylamine	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Pentachlorophenol	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Phenanthrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Phenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Pyrene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2,4-Trichlorobenzene	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
2,4,6-Trichlorophenol	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 2-Fluorobiphenyl		*Recovery: 62.9%*			*Limits: 20-120%*	"							*09 12 06 23:06*	
2-Fluorophenol		*73.3%*			*10-120%*	"							"	
Nitrobenzene-d5		*80.9%*			*25-130%*	"							"	
Phenol-d6		*80.0%*			*10-120%*	"							"	
p-Terphenyl-d14		*85.5%*			*35-130%*	"							"	
2,4,6-Tribromophenol		*76.7%*			*20-130%*	"							"	
LCS (6090324-BS1)								Extracted: 09/08/06 16:30						
Acenaphthene	EPA 625	42.8	---	5.00	ug/l	1x	--	50.0	85.6%	(45-145)	--	--	09/12/06 20:50	
Acenaphthylene	"	37.8	---	5.00	"	"	--	"	75.6%	(30-145)	--	--	"	
Anthracene	"	41.8	---	5.00	"	"	--	"	83.6%	(25-135)	--	--	"	
Benzidine	"	38.0	---	60.0	"	"	--	40.0	95.0%	(0-169)	--	--	"	Q-31
Benzo (a) anthracene	"	42.6	---	5.00	"	"	--	50.0	85.2%	(30-145)	--	--	"	
Benzo (a) pyrene	"	40.7	---	5.00	"	"	--	"	81.4%	(15-150)	--	--	"	
Benzo (b) fluoranthene	"	41.6	---	5.00	"	"	--	"	83.2%	(20-150)	--	--	"	
Benzo (ghi) perylene	"	43.2	---	5.00	"	"	--	"	86.4%	(10-150)	--	--	"	
Benzo (k) fluoranthene	"	37.6	---	5.00	"	"	--	"	75.2%	"	--	--	"	
4-Bromophenyl phenyl ether	"	43.4	---	5.00	"	"	--	"	86.8%	(50-130)	--	--	"	
Butyl benzyl phthalate	"	42.3	---	5.00	"	"	--	"	84.6%	(10-150)	--	--	"	
4-Chloro-3-methylphenol	"	41.9	---	5.00	"	"	--	"	83.8%	(20-150)	--	--	"	
Bis(2-chloroethoxy)methane	"	43.7	---	10.0	"	"	--	"	87.4%	(30-150)	--	--	"	
Bis(2-chloroethyl)ether	"	39.4	---	5.00	"	"	--	"	78.8%	(10-150)	--	--	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024629

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090324 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6090324-BS1)								Extracted: 09/08/06 16:30						
Bis(2-chloroisopropyl)ether	EPA 625	42.0	---	10.0	ug/l	1x	--	50.0	84.0%	(35-150)	--	--	09/12/06 20:50	
2-Chloronaphthalene	"	43.3	---	5.00	"	"	--	"	86.6%	(60-120)	--	--	"	
2-Chlorophenol	"	41.8	---	5.00	"	"	--	"	83.6%	(20-135)	--	--	"	
4-Chlorophenyl phenyl ether	"	48.4	---	5.00	"	"	--	"	96.8%	(25-150)	--	--	"	
Chrysene	"	42.8	---	5.00	"	"	--	"	85.6%	(15-150)	--	--	"	
Di-n-butyl phthalate	"	43.3	---	5.00	"	"	--	"	86.6%	(10-120)	--	--	"	
Di-n-octyl phthalate	"	45.2	---	5.00	"	"	--	"	90.4%	(10-150)	--	--	"	
Dibenzo (a,h) anthracene	"	42.6	---	5.00	"	"	--	"	85.2%	"	--	--	"	
1,2 Diphenylhydrazine (as Azobenzene)	"	45.1	---	5.00	"	"	--	"	90.2%	"	--	--	"	
1,2-Dichlorobenzene	"	35.6	---	5.00	"	"	--	"	71.2%	(10-130)	--	--	"	
1,3-Dichlorobenzene	"	34.0	---	5.00	"	"	--	"	68.0%	(10-150)	--	--	"	
1,4-Dichlorobenzene	"	33.9	---	5.00	"	"	--	"	67.8%	(10-125)	--	--	"	
3,3'-Dichlorobenzidine	"	52.2	---	5.00	"	"	--	40.0	130%	(10-150)	--	--	"	
2,4-Dichlorophenol	"	43.6	---	5.00	"	"	--	50.0	87.2%	(35-135)	--	--	"	
Diethyl phthalate	"	43.6	---	5.00	"	"	--	"	87.2%	(10-115)	--	--	"	
2,4-Dimethylphenol	"	32.0	---	10.0	"	"	--	"	64.0%	(30-120)	--	--	"	
Dimethyl phthalate	"	42.6	---	5.00	"	"	--	"	85.2%	(10-115)	--	--	"	
4,6-Dinitro-2-methylphenol	"	46.6	---	10.0	"	"	--	"	93.2%	(10-150)	--	--	"	
2,4-Dinitrophenol	"	40.4	---	25.0	"	"	--	"	80.8%	"	--	--	"	
2,4-Dinitrotoluene	"	41.8	---	5.00	"	"	--	"	83.6%	(35-140)	--	--	"	
2,6-Dinitrotoluene	"	44.2	---	5.00	"	"	--	"	88.4%	(50-150)	--	--	"	
Bis(2-ethylhexyl)phthalate	"	44.3	---	10.0	"	"	--	"	88.6%	(10-150)	--	--	"	
Fluoranthene	"	42.4	---	5.00	"	"	--	"	84.8%	(25-140)	--	--	"	
Fluorene	"	47.2	---	5.00	"	"	--	"	94.4%	(55-125)	--	--	"	
Hexachlorobenzene	"	43.4	---	5.00	"	"	--	"	86.8%	(10-150)	--	--	"	
Hexachlorobutadiene	"	41.5	---	10.0	"	"	--	"	83.0%	(10-120)	--	--	"	
Hexachlorocyclopentadiene	"	19.0	---	10.0	"	"	--	"	38.0%	(10-150)	--	--	"	
Hexachloroethane	"	35.3	---	10.0	"	"	--	"	70.6%	(10-115)	--	--	"	
Indeno (1,2,3-cd) pyrene	"	43.6	---	5.00	"	"	--	"	87.2%	(10-150)	--	--	"	
Isophorone	"	39.9	---	5.00	"	"	--	"	79.8%	(20-150)	--	--	"	
Naphthalene	"	40.1	---	5.00	"	"	--	"	80.2%	(20-135)	--	--	"	
Nitrobenzene	"	40.7	---	5.00	"	"	--	"	81.4%	(35-150)	--	--	"	
2-Nitrophenol	"	41.8	---	5.00	"	"	--	"	83.6%	(25-150)	--	--	"	
4-Nitrophenol	"	40.2	---	25.0	"	"	--	"	80.4%	(10-135)	--	--	"	
N-Nitrosodimethylamine	"	42.1	---	5.00	"	"	--	"	84.2%	(10-150)	--	--	"	
N-Nitrosodi-n-propylamine	"	40.8	---	10.0	"	"	--	"	81.6%	"	--	--	"	
N-Nitrosodiphenylamine	"	43.3	---	5.00	"	"	--	"	86.6%	"	--	--	"	
Pentachlorophenol	"	49.4	---	10.0	"	"	--	"	98.8%	"	--	--	"	
Phenanthrene	"	43.6	---	5.00	"	"	--	"	87.2%	(50-120)	--	--	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024630

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090324 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6090324-BS1)								**Extracted: 09/08/06 16:30**						
Phenol	EPA 625	39.4	---	5.00	ug/l	1x	--	50.0	78.8%	(10-115)	--	--	09/12/06 20:50	
Pyrene	"	42.7	---	5.00	"	"	--	"	85.4%	(50-125)	--	--	"	
1,2,4-Trichlorobenzene	"	39.7	---	5.00	"	"	--	"	79.4%	(10-145)	--	--	"	
2,4,6-Trichlorophenol	"	43.3	---	5.00	"	"	--	"	86.6%	(35-145)	--	--	"	
Surrogate(s): 2-Fluorobiphenyl		*Recovery: 70.4%*			*Limits: 20-120%*	"							*09 12 06 20:50*	
2-Fluorophenol		*64.5%*			*10-120%*	"							"	
Nitrobenzene-d5		*79.1%*			*25-130%*	"							"	
Phenol-d6		*71.3%*			*10-120%*	"							"	
p-Terphenyl-d14		*80.5%*			*35-130%*	"							"	
2,4,6-Tribromophenol		*80.0%*			*20-130%*	"							"	
LCS Dup (6090324-BSD1)								**Extracted: 09/08/06 16:30**						
Acenaphthene	EPA 625	43.0	---	5.00	ug/l	1x	--	50.0	86.0%	(45-145)	0.466%	(50)	09/12/06 21:35	
Acenaphthylene	"	38.0	---	5.00	"	"	--	"	76.0%	(30-145)	0.528%	"	"	
Anthracene	"	42.4	---	5.00	"	"	--	"	84.8%	(25-135)	1.43%	"	"	
Benzidine	"	43.3	---	60.0	"	"	--	40.0	108%	(0-169)	13.0%	"	"	Q-31
Benzo (a) anthracene	"	43.9	---	5.00	"	"	--	50.0	87.8%	(30-145)	3.01%	"	"	
Benzo (a) pyrene	"	42.5	---	5.00	"	"	--	"	85.0%	(15-150)	4.33%	"	"	
Benzo (b) fluoranthene	"	42.1	---	5.00	"	"	--	"	84.2%	(20-150)	1.19%	"	"	
Benzo (ghi) perylene	"	42.8	---	5.00	"	"	--	"	85.6%	(10-150)	0.930%	"	"	
Benzo (k) fluoranthene	"	40.2	---	5.00	"	"	--	"	80.4%	"	6.68%	"	"	
4-Bromophenyl phenyl ether	"	44.9	---	5.00	"	"	--	"	89.8%	(50-130)	3.40%	"	"	
Butyl benzyl phthalate	"	44.8	---	5.00	"	"	--	"	89.6%	(10-150)	5.74%	"	"	
4-Chloro-3-methylphenol	"	43.3	---	5.00	"	"	--	"	86.6%	(20-150)	3.29%	"	"	
Bis(2-chloroethoxy)methane	"	44.4	---	10.0	"	"	--	"	88.8%	(30-150)	1.59%	"	"	
Bis(2-chloroethyl)ether	"	40.3	---	5.00	"	"	--	"	80.6%	(10-150)	2.26%	"	"	
Bis(2-chloroisopropyl)ether	"	43.6	---	10.0	"	"	--	"	87.2%	(35-150)	3.74%	"	"	
2-Chloronaphthalene	"	42.9	---	5.00	"	"	--	"	85.8%	(60-120)	0.928%	"	"	
2-Chlorophenol	"	43.6	---	5.00	"	"	--	"	87.2%	(20-135)	4.22%	"	"	
4-Chlorophenyl phenyl ether	"	49.6	---	5.00	"	"	--	"	99.2%	(25-150)	2.45%	"	"	
Chrysene	"	44.7	---	5.00	"	"	--	"	89.4%	(15-150)	4.34%	"	"	
Di-n-butyl phthalate	"	45.7	---	5.00	"	"	--	"	91.4%	(10-120)	5.39%	"	"	
Di-n-octyl phthalate	"	48.5	---	5.00	"	"	--	"	97.0%	(10-150)	7.04%	"	"	
Dibenzo (a,h) anthracene	"	43.4	---	5.00	"	"	--	"	86.8%	"	1.86%	"	"	
1,2-Dichlorobenzene	"	38.2	---	5.00	"	"	--	"	76.4%	(10-130)	7.05%	"	"	
1,2 Diphenylhydrazine (as Azobenzene)	"	46.0	---	5.00	"	"	--	"	92.0%	(10-150)	1.98%	"	"	
1,3-Dichlorobenzene	"	37.4	---	5.00	"	"	--	"	74.8%	"	9.52%	"	"	
1,4-Dichlorobenzene	"	37.1	---	5.00	"	"	--	"	74.2%	(10-125)	9.01%	"	"	
3,3'-Dichlorobenzidine	"	54.8	---	5.00	"	"	--	40.0	137%	(10-150)	4.86%	"	"	
2,4-Dichlorophenol	"	44.7	---	5.00	"	"	--	50.0	89.4%	(35-135)	2.49%	"	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024631

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Acid and Base/Neutral Extractables per EPA Method 625 - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090324 **Water Preparation Method: 3520B Liq-Liq**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (6090324-BSD1)								Extracted: 09/08/06 16:30						
Diethyl phthalate	EPA 625	44.9	---	5.00	ug/l	1x	--	50.0	89.8%	(10-115)	2.94%	(50)	09/12/06 21:35	
2,4-Dimethylphenol	"	31.2	---	10.0	"	"	--	"	62.4%	(30-120)	2.53%	"	"	
Dimethyl phthalate	"	43.5	---	5.00	"	"	--	"	87.0%	(10-115)	2.09%	"	"	
4,6-Dinitro-2-methylphenol	"	47.7	---	10.0	"	"	--	"	95.4%	(10-150)	2.33%	"	"	
2,4-Dinitrophenol	"	41.8	---	25.0	"	"	--	"	83.6%	"	3.41%	"	"	
2,4-Dinitrotoluene	"	43.3	---	5.00	"	"	--	"	86.6%	(35-140)	3.53%	"	"	
2,6-Dinitrotoluene	"	44.8	---	5.00	"	"	--	"	89.6%	(50-150)	1.35%	"	"	
Bis(2-ethylhexyl)phthalate	"	47.0	---	10.0	"	"	--	"	94.0%	(10-150)	5.91%	"	"	
Fluoranthene	"	44.6	---	5.00	"	"	--	"	89.2%	(25-140)	5.06%	"	"	
Fluorene	"	48.5	---	5.00	"	"	--	"	97.0%	(55-125)	2.72%	"	"	
Hexachlorobenzene	"	44.1	---	5.00	"	"	--	"	88.2%	(10-150)	1.60%	"	"	
Hexachlorobutadiene	"	43.0	---	10.0	"	"	--	"	86.0%	(10-120)	3.55%	"	"	
Hexachlorocyclopentadiene	"	19.3	---	10.0	"	"	--	"	38.6%	(10-150)	1.57%	"	"	
Hexachloroethane	"	38.0	---	10.0	"	"	--	"	76.0%	(10-115)	7.37%	"	"	
Indeno (1,2,3-cd) pyrene	"	43.2	---	5.00	"	"	--	"	86.4%	(10-150)	0.922%	"	"	
Isophorone	"	40.6	---	5.00	"	"	--	"	81.2%	(20-150)	1.74%	"	"	
Naphthalene	"	41.4	---	5.00	"	"	--	"	82.8%	(20-135)	3.19%	"	"	
Nitrobenzene	"	41.6	---	5.00	"	"	--	"	83.2%	(35-150)	2.19%	"	"	
2-Nitrophenol	"	42.6	---	5.00	"	"	--	"	85.2%	(25-150)	1.90%	"	"	
4-Nitrophenol	"	41.8	---	25.0	"	"	--	"	83.6%	(10-135)	3.90%	"	"	
N-Nitrosodimethylamine	"	42.1	---	5.00	"	"	--	"	84.2%	(10-150)	0.00%	"	"	
N-Nitrosodi-n-propylamine	"	42.2	---	10.0	"	"	--	"	84.4%	"	3.37%	"	"	
N-Nitrosodiphenylamine	"	44.8	---	5.00	"	"	--	"	89.6%	"	3.41%	"	"	
Pentachlorophenol	"	49.8	---	10.0	"	"	--	"	99.6%	"	0.806%	"	"	
Phenanthrene	"	44.6	---	5.00	"	"	--	"	89.2%	(50-120)	2.27%	"	"	
Phenol	"	42.4	---	5.00	"	"	--	"	84.8%	(10-115)	7.33%	"	"	
Pyrene	"	44.6	---	5.00	"	"	--	"	89.2%	(50-125)	4.35%	"	"	
1,2,4-Trichlorobenzene	"	41.2	---	5.00	"	"	--	"	82.4%	(10-145)	3.71%	"	"	
2,4,6-Trichlorophenol	"	43.7	---	5.00	"	"	--	"	87.4%	(35-145)	0.920%	"	"	

Surrogate(s):	*2-Fluorobiphenyl*	*Recovery:*	*71.5%*	*Limits: 20-120%*	"	*09 12 06 21:35*
	2-Fluorophenol		*66.3%*	*10-120%*	"	"
	Nitrobenzene-d5		*74.1%*	*25-130%*	"	"
	Phenol-d6		*73.3%*	*10-120%*	"	"
	p-Terphenyl-d14		*84.5%*	*35-130%*	"	"
	2,4,6-Tribromophenol		*82.0%*	*20-130%*	"	"

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024632

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Conventional Chemistry Parameters per APHA/EPA Methods - Laboratory Quality Control Results

TestAmerica - Portland, OR

QC Batch: 6090289 **Water Preparation Method: General Preparation**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6090289-BLK1)								Extracted: 09/07/06 18:09						
Biochemical Oxygen Demand	EPA 405.1	ND	---	4.00	mg/l	1x	--	--	--	--	--	--	09/12/06 14:00	
LCS (6090289-BS1)								Extracted: 09/07/06 18:09						
Biochemical Oxygen Demand	EPA 405.1	192	---	4.00	mg/l	1x	--	198	97.0%	(80-130)	--	--	09/12/06 14:00	
Duplicate (6090289-DUP1)					QC Source: PP10115-01			Extracted: 09/07/06 18:09						
Biochemical Oxygen Demand	EPA 405.1	363	---	4.00	mg/l	1x	323	--	--	--	11.7%	(40)	09/12/06 14:00	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024633

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Total Metals by EPA 200 Series Methods - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I13055 **Water Preparation Method: EPA 200 Series**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I13055-BLK1)								Extracted: 09/13/06 17:53						
Chromium	EPA 200.8	ND	---	0.00100	mg/l	1x	--	--	--	--	--	--	09/15/06 15:42	
Arsenic	"	ND	---	0.00100	"	"	--	--	--	--	--	--	"	
LCS (6I13055-BS1)								Extracted: 09/13/06 17:53						
Chromium	EPA 200.8	0.0784	---	0.00100	mg/l	1x	--	0.0800	98.0%	(85-115)	--	--	09/15/06 15:48	
Arsenic	"	0.0769	---	0.00100	"	"	--	"	96.1%	"	--	--	"	
Duplicate (6I13055-DUP1)				QC Source: PPI0153-01				Extracted: 09/13/06 17:53						
Chromium	EPA 200.8	0.00174	---	0.00100	mg/l	1x	0.00163	--	--	--	6.53%	(20)	09/15/06 15:59	
Arsenic	"	0.00164	---	0.00100	"	"	0.00175	--	--	--	6.49%	"	"	
Matrix Spike (6I13055-MS1)				QC Source: PPI0153-01				Extracted: 09/13/06 17:53						
Chromium	EPA 200.8	0.0810	---	0.00100	mg/l	1x	0.00163	0.0800	99.2%	(75-125)	--	--	09/15/06 15:54	
Arsenic	"	0.0805	---	0.00100	"	"	0.00175	"	98.4%	"	--	--	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024634

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Purgeables by EPA Method 624 - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I12035 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I12035-BLK1)								Extracted: 09/12/06 11:54						
Acetone	EPA 624	ND	---	10.0	ug/l	1x	--	--	--	--	--	--	09/12/06 14:59	
Acetonitrile	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Acrolein	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Acrylonitrile	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Benzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromodichloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromoform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Bromomethane	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
2-Butanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Carbon disulfide	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Carbon tetrachloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	Q-41
Chlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Chloroethylvinyl ether	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Chloroform	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Chloromethane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Dibromochloromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromo-3-chloropropane	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
1,2-Dibromoethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dibromomethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,3-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,4-Dichlorobenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Dichlorodifluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	Q-41
1,1-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,2-Dichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,2-Dichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
cis-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
trans-1,3-Dichloropropene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Ethylbenzene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
2-Hexanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
4-Methyl-2-pentanone	"	ND	---	10.0	"	"	--	--	--	--	--	--	"	
Methylene chloride	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Styrene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2,2-Tetrachloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024635

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Purgeables by EPA Method 624 - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I12035 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6I12035-BLK1)								Extracted: 09/12/06 11:54						
Tetrachloroethene	EPA 624	ND	---	1.00	ug/l	1x	--	--	--	--	--	--	09/12/06 14:59	
Toluene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,1-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
1,1,2-Trichloroethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichloroethene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Trichlorofluoromethane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	Q-41
1,2,3-Trichloropropane	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
Vinyl acetate	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
Vinyl chloride	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
o-Xylene	"	ND	---	1.00	"	"	--	--	--	--	--	--	"	
m,p-Xylene	"	ND	---	2.00	"	"	--	--	--	--	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 108%*			*Limits: 70-130%*	"							*09 12 06 14:59*	
Toluene-d8		*97.5%*			*70-130%*	"							"	
4-BFB		*100%*			*70-130%*	"							"	
LCS (6I12035-BS1)								Extracted: 09/12/06 11:54						
Acetone	EPA 624	174	---	10.0	ug/l	1x	--	200	87.0%	(70-130)	--	--	09/12/06 13:30	
Benzene	"	17.8	---	1.00	"	"	--	20.0	89.0%	(75-125)	--	--	"	
Bromodichloromethane	"	20.3	---	1.00	"	"	--	"	102%	"	--	--	"	
Bromoform	"	19.7	---	1.00	"	"	--	"	98.5%	"	--	--	"	
Bromomethane	"	20.3	---	2.00	"	"	--	"	102%	"	--	--	"	
2-Butanone	"	171	---	10.0	"	"	--	200	85.5%	(70-130)	--	--	"	
Carbon disulfide	"	19.2	---	1.00	"	"	--	20.0	96.0%	"	--	--	"	
Carbon tetrachloride	"	23.6	---	1.00	"	"	--	"	118%	(75-125)	--	--	"	Q-41
Chlorobenzene	"	19.4	---	1.00	"	"	--	"	97.0%	"	--	--	"	
Chloroethane	"	19.0	---	1.00	"	"	--	"	95.0%	"	--	--	"	
Chloroform	"	19.2	---	1.00	"	"	--	"	96.0%	"	--	--	"	
Chloromethane	"	18.3	---	5.00	"	"	--	"	91.5%	"	--	--	"	
Dibromochloromethane	"	20.6	---	1.00	"	"	--	"	103%	"	--	--	"	
1,2-Dibromo-3-chloropropane	"	17.1	---	5.00	"	"	--	"	85.5%	(70-130)	--	--	"	
1,2-Dibromoethane	"	19.2	---	1.00	"	"	--	"	96.0%	"	--	--	"	
Dibromomethane	"	18.8	---	1.00	"	"	--	"	94.0%	"	--	--	"	
1,2-Dichlorobenzene	"	19.1	---	1.00	"	"	--	"	95.5%	(75-125)	--	--	"	
1,3-Dichlorobenzene	"	19.2	---	1.00	"	"	--	"	96.0%	"	--	--	"	
1,4-Dichlorobenzene	"	19.1	---	1.00	"	"	--	"	95.5%	"	--	--	"	
Dichlorodifluoromethane	"	24.2	---	1.00	"	"	--	"	121%	(70-130)	--	--	"	Q-41
1,1-Dichloroethane	"	19.2	---	1.00	"	"	--	"	96.0%	(75-125)	--	--	"	
1,2-Dichloroethane	"	20.5	---	1.00	"	"	--	"	102%	"	--	--	"	
1,1-Dichloroethene	"	20.8	---	1.00	"	"	--	"	104%	"	--	--	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024636

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Purgeables by EPA Method 624 - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6I12035 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS (6I12035-BS1)									Extracted: 09/12/06 11:54					
cis-1,2-Dichloroethene	EPA 624	19.4	---	1.00	ug/l	1x	--	20.0	97.0%	(70-130)	--	--	09/12/06 13:30	
trans-1,2-Dichloroethene	"	19.8	---	1.00	"	"	--	"	99.0%	(75-125)	--	--	"	
1,2-Dichloropropane	"	18.1	---	1.00	"	"	--	"	90.5%	"	--	--	"	
cis-1,3-Dichloropropene	"	18.9	---	1.00	"	"	--	"	94.5%	"	--	--	"	
trans-1,3-Dichloropropene	"	19.9	---	1.00	"	"	--	"	99.5%	"	--	--	"	
Ethylbenzene	"	19.7	---	1.00	"	"	--	"	98.5%	"	--	--	"	
2-Hexanone	"	177	---	10.0	"	"	--	200	88.5%	(70-130)	--	--	"	
4-Methyl-2-pentanone	"	174	---	10.0	"	"	--	"	87.0%	"	--	--	"	
Methylene chloride	"	19.1	---	5.00	"	"	--	20.0	95.5%	(75-125)	--	--	"	
Styrene	"	19.7	---	1.00	"	"	--	"	98.5%	(70-130)	--	--	"	
1,1,1,2-Tetrachloroethane	"	20.7	---	1.00	"	"	--	"	104%	"	--	--	"	
1,1,2,2-Tetrachloroethane	"	16.8	---	1.00	"	"	--	"	84.0%	(75-125)	--	--	"	
Tetrachloroethene	"	20.3	---	1.00	"	"	--	"	102%	(75-130)	--	--	"	
Toluene	"	19.1	---	1.00	"	"	--	"	95.5%	(75-120)	--	--	"	
1,1,1-Trichloroethane	"	22.5	---	1.00	"	"	--	"	112%	(75-130)	--	--	"	
1,1,2-Trichloroethane	"	18.5	---	1.00	"	"	--	"	92.5%	"	--	--	"	
Trichloroethene	"	20.0	---	1.00	"	"	--	"	100%	(75-120)	--	--	"	
Trichlorofluoromethane	"	24.3	---	1.00	"	"	--	"	122%	(75-130)	--	--	"	Q-41
1,2,3-Trichloropropane	"	18.3	---	1.00	"	"	--	"	91.5%	(70-130)	--	--	"	
Vinyl chloride	"	19.6	---	1.00	"	"	--	"	98.0%	(75-125)	--	--	"	
o-Xylene	"	19.8	---	1.00	"	"	--	"	99.0%	(70-130)	--	--	"	
m,p-Xylene	"	39.5	---	2.00	"	"	--	40.0	98.8%	"	--	--	"	
Surrogate(s): 1,2-DCA-d4		*Recovery: 108%*			*Limits: 70-130%*	"							*09/12/06 13:30*	
Toluene-d8		*99.5%*			*70-130%*	"							"	
4-BFB		*99.5%*			*70-130%*	"							"	
LCS Dup (6I12035-BSD1)									Extracted: 09/12/06 11:54					
Acetone	EPA 624	176	---	10.0	ug/l	1x	--	200	88.0%	(70-130)	1.14%	(20)	09/12/06 14:04	
Benzene	"	19.4	---	1.00	"	"	--	20.0	97.0%	(75-125)	8.60%	"	"	
Bromodichloromethane	"	21.7	---	1.00	"	"	--	"	108%	"	6.67%	"	"	
Bromoform	"	20.0	---	1.00	"	"	--	"	100%	"	1.51%	"	"	
Bromomethane	"	21.6	---	2.00	"	"	--	"	108%	"	6.21%	"	"	
2-Butanone	"	178	---	10.0	"	"	--	200	89.0%	(70-130)	4.01%	"	"	
Carbon disulfide	"	20.2	---	1.00	"	"	--	20.0	101%	"	5.08%	"	"	
Carbon tetrachloride	"	24.8	---	1.00	"	"	--	"	124%	(75-125)	4.96%	"	"	Q-41
Chlorobenzene	"	20.2	---	1.00	"	"	--	"	101%	"	4.04%	"	"	
Chloroethane	"	19.7	---	1.00	"	"	--	"	98.5%	"	3.62%	"	"	
Chloroform	"	20.1	---	1.00	"	"	--	"	100%	"	4.58%	"	"	
Chloromethane	"	19.4	---	5.00	"	"	--	"	97.0%	"	5.84%	"	"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian L Cone

Brian Cone, Industrial Services Manager

SCOEPA00024637

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Purgeables by EPA Method 624 - Laboratory Quality Control Results

TestAmerica - Seattle, WA

QC Batch: 6112035 **Water Preparation Method: EPA 5030B**

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
LCS Dup (6112035-BSD1)								**Extracted: 09/12/06 11:54**						
Dibromochloromethane	EPA 624	21.1	---	1.00	ug/l	1x	--	20.0	106%	(75-125)	2.40%	(20)	09/12/06 14:04	
1,2-Dibromo-3-chloropropane	"	17.2	---	5.00	"	"	--	"	86.0%	(70-130)	0.583%	"	"	
1,2-Dibromoethane	"	19.2	---	1.00	"	"	--	"	96.0%	"	0.00%	"	"	
Dibromomethane	"	19.7	---	1.00	"	"	--	"	98.5%	"	4.68%	"	"	
1,2-Dichlorobenzene	"	19.8	---	1.00	"	"	--	"	99.0%	(75-125)	3.60%	"	"	
1,3-Dichlorobenzene	"	20.2	---	1.00	"	"	--	"	101%	"	5.08%	"	"	
1,4-Dichlorobenzene	"	20.1	---	1.00	"	"	--	"	100%	"	5.10%	"	"	
Dichlorodifluoromethane	"	23.9	---	1.00	"	"	--	"	120%	(70-130)	1.25%	"	"	Q-41
1,1-Dichloroethane	"	20.4	---	1.00	"	"	--	"	102%	(75-125)	6.06%	"	"	
1,2-Dichloroethane	"	21.8	---	1.00	"	"	--	"	109%	"	6.15%	"	"	
1,1-Dichloroethene	"	22.1	---	1.00	"	"	--	"	110%	"	6.06%	"	"	
cis-1,2-Dichloroethene	"	20.4	---	1.00	"	"	--	"	102%	(70-130)	5.03%	"	"	
trans-1,2-Dichloroethene	"	21.0	---	1.00	"	"	--	"	105%	(75-125)	5.88%	"	"	
1,2-Dichloropropane	"	19.4	---	1.00	"	"	--	"	97.0%	"	6.93%	"	"	
cis-1,3-Dichloropropene	"	19.9	---	1.00	"	"	--	"	99.5%	"	5.15%	"	"	
trans-1,3-Dichloropropene	"	20.3	---	1.00	"	"	--	"	102%	"	1.99%	"	"	
Ethylbenzene	"	20.4	---	1.00	"	"	--	"	102%	"	3.49%	"	"	
2-Hexanone	"	182	---	10.0	"	"	--	200	91.0%	(70-130)	2.79%	"	"	
4-Methyl-2-pentanone	"	186	---	10.0	"	"	--	"	93.0%	"	6.67%	"	"	
Methylene chloride	"	19.2	---	5.00	"	"	--	20.0	96.0%	(75-125)	0.522%	"	"	
Styrene	"	20.6	---	1.00	"	"	--	"	103%	(70-130)	4.47%	"	"	
1,1,1,2-Tetrachloroethane	"	21.3	---	1.00	"	"	--	"	106%	"	2.86%	"	"	
1,1,2,2-Tetrachloroethane	"	17.4	---	1.00	"	"	--	"	87.0%	(75-125)	3.51%	"	"	
Tetrachloroethene	"	21.0	---	1.00	"	"	--	"	105%	(75-130)	3.39%	"	"	
Toluene	"	20.1	---	1.00	"	"	--	"	100%	(75-120)	5.10%	"	"	
1,1,1-Trichloroethane	"	23.4	---	1.00	"	"	--	"	117%	(75-130)	3.92%	"	"	
1,1,2-Trichloroethane	"	18.5	---	1.00	"	"	--	"	92.5%	"	0.00%	"	"	
Trichloroethene	"	21.4	---	1.00	"	"	--	"	107%	(75-120)	6.76%	"	"	
Trichlorofluoromethane	"	24.4	---	1.00	"	"	--	"	122%	(75-130)	0.411%	"	"	Q-41
1,2,3-Trichloropropane	"	18.2	---	1.00	"	"	--	"	91.0%	(70-130)	0.548%	"	"	
Vinyl chloride	"	21.0	---	1.00	"	"	--	"	105%	(75-125)	6.90%	"	"	
o-Xylene	"	20.9	---	1.00	"	"	--	"	104%	(70-130)	5.41%	"	"	
m,p-Xylene	"	41.7	---	2.00	"	"	--	40.0	104%	"	5.42%	"	"	
Surrogate(s):	*1,2-DCA-d4*	*Recovery:*	*107%*	*Limits:*	*70-130%*	"							*09/12/06 14:04*	
	Toluene-d8		*99.0%*		*70-130%*	"							"	
	4-BFB		*99.5%*		*70-130%*	"							"	

TestAmerica - Portland, OR

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024638

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Wastewater**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	09/20/06 19:38

Notes and Definitions

Report Specific Notes:

Q-31 - The Lower acceptance limit is set to zero for this analyte, as it is subject to oxidative losses during solvent concentration. This compound is included in EPA 625 as an additional extractable parameter, and extraction is not guaranteed by method.

Q-41 - This analyte had a high bias in the associated calibration verification standard. See case narrative.

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR/NA - Not Reported / Not Available

dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.

wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.

RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy.* Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024639

KL1029

Siltronic Corporation Site ID 93450
7200 NW Front Ave.
Portland, OR 97210-3676

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Permit Number: 101128
Discharge Number: Outfall 001

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD
FROM: YEAR 2006 MO 5 DAY 1 TO: YEAR 2006 MO 5 DAY 31

NOTE: Read instructions before completing this form.

PARAMETER		(3 Card Only) QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Process Waste Water Flow	SAMPLE MEASUREMENT	3,521	3,842	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	12.7	15.1	Kg/day	--	3.6	4.3	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	12.8	17.0	Kg/day	--	3.6	4.7	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	Kg/day	--	<0.001	<0.001	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	24.2	28.1	Kg/day	--	6.9	8.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to $10,000 per violation, imprisonment of between 6 months and 5 years).

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 6 DAY 12

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chrome batches are no longer being treated on site. pH Excursion: Total of 14 mins.44 seconds @ pH:6.0

KL1029

SCOEPA00024640

[redacted] (Include area code and phone number)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT [redacted] ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	5	1	TO	2006	5	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<4.564	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					7.6	19.1	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 [illegible]

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 6 DAY 12

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Results are higher due to outside lab method reporting limit problem. See attached report.

SCOEPA00024641

[redacted] NAME [redacted] ADDRESS (Include Zip Code) (Front)

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT [redacted] CHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE [redacted] NITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	5	1	TO	2006	5	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	(54-61) AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	185	401	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.2	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	06	6	12
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024642

NAME [redacted] ADDRESS (Include Section [redacted] Form)

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT [redacted] ELIMINATION SYSTEM (NPDES)
DISCHARGE [redacted] ITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	5	1	TO	2006	5	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,706	4,176	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	75.9	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	5.66	7.43	8.69			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalty under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	06	6	12
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024643

TestAmerica
ANALYTICAL TESTING CORPORATION

June 12, 2006

Koreen Lail
Siltronic
7200 N.W. Front Ave
Portland, OR 97210

RE: Semivolatile Analysis of Wastewater

Dear Koreen:

Test America performed semivolatile analysis of your water sample 06-35-CE-g (WO# PPE0212-02) on May 17, 2006.

The report was flagged with an X qualifier due to extraction problems. After extracting the sample with methylene chloride, the extract was concentrated and the pH checked. The pH was very low, so the extract was diluted with methylene chloride by a factor of 40 in order to not damage the instrument.

Our chemists have seen this situation before, where methylene chloride picks up acid during the extraction step. The cause of this situation is not entirely clear. Possibilities include too much acid being added during the extraction process or a component of the sample that dissolves in the methylene chloride and brings acid as well.

Please call me if you need more information. We are sorry that this complication occurred. Your latest sample did not have this situation develop and will have normal reporting limits.

Sincerely,

Brian L. Cone

Brian L. Cone, CHMM
Industrial Project Manager

SCOEPA00024644

TestAmerica
ANALYTICAL TESTING CORPORATION

PORTLAND, OR 9405 S.W. NIMBUS AVENUE
BEAVERTON, OR 97008-7132
ph: (503) 906.9200 fax: (503) 906.9210

Siltronic	Project Name:	**Monthly**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	05/19/06 17:16

Analytical Case Narrative

North Creek Analytical - Portland

PPE0212

Note X:

The semivolatile extract was excessively acidic, thus a dilution was needed to prevent instrument damage. Possibly extra acid was added during the extraction procedure.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian L Cone

Brian Cone, Industrial Services Manager

(503) 703-~~7805~~ 3704

PHZ -

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

Mr. Dennis Jurries, PE
Oregon Department of Environmental Quality
Water Quality Source Control Storm Water
2020 SW 4th Avenue, Suite 400
Portland, Oregon 97201-4987

ER: 028KLL

June 9, 2006

Industrial Storm Water NPDES 1200-Z Monitoring Report for July 1, 2005 to June 30, 2006

Dear Mr. Jurries,

Attached is Siltronic Corporation's Industrial Storm Water NPDES 1200-Z Monitoring Report for July 1, 2005 to June 30, 2006 as required by Siltronic's NPDES Storm Water Discharge Permit number 1200-Z issued October 1, 2002. Sampling was conducted November 1, 2005 and April 10, 2006 meeting the requirement of conducting two monitoring events per sample point between July 1, 2005 and June 30, 2006. All parameters were below benchmarks.

The following materials are enclosed in this report:

1. A summary of the results for 2005-2006 including sample results, bench marks, detection limits and analytical methods used.
2. Siltronic Corporation laboratory bench sheets for TSS and pH.
3. Copies of outside laboratory reports including the chain of custody forms for copper, lead, zinc and total oil & grease.
4. Copies of monthly visual inspection reports for floating solids and oil & grease sheen.

If you have any questions or comments, please contact me.

Best regards,

Siltronic Corporation

Koreen Lail
Environmental Engineer

CC: DEQ Storm Water File
Tom Rothschild

siltronic
perfect silicon solutions

Summary of Results for 2005 - 2006

PARAMETER	Sample date	North results	South results	East results	BENCH MARK	Units	Detection limit	Method & Comments
Copper	11/1/2005	<0.03	<0.03	<0.03	0.1	mg/L	0.03	EPA 200.7
	4/10/06	<0.03	<0.03	<0.03				
Lead	11/1/2005	<0.0052	<0.0052	<0.0052	0.4	mg/L	0.005	EPA 239.2
	4/10/06	<0.001	<0.001	.00106				
Zinc	11/1/2005	0.06	.08	0. 1	0.6	mg/L	0.05	EPA 200.7
	4/10/06	.0887	.156	.117				
pH	11/1/2005	6.0	6.1	6.3	5.5-9	pH units	0.1	Standards Methods 1998, 20th ed, Section 4500-H^+
	4/10/06	5.76	6.31	6.49				
TSS	11/1/2005	4.75	6.0	10.5	130	mg/L	0.1	Standards Methods 1998, 20th ed, Section 2540 D
	4/10/06	2.6	10.2	4.0				
Oil and Grease	11/1/2005	<3	<3	<3	10	mg/L	3	EPA 1664
	4/10/06	<4.81	<4.81	<4.81				

Industrial Source Control Division

INDUSTRIAL STORMWATER

NPDES 1200-Z MONITORING REPORT

Industry Name:

Site Address:

The permittee shall monitor stormwater **twice** per year for the parameters outlined in their NPDES 1200-Z Stormwater Discharge Permit Schedule B.1.a., and submit results to the City as stated in Schedule D.2.

Stormwater samples were taken for the above permittee, on these days and at these sample points:

Sample Date(s)	Sample Point(s)
11/1/05	North, East, South
4/10/06	North, East, South

The permittee shall submit by **July 15** of each year a copy of the **laboratory analysis reports,** which show analytical methods and detection limits, for stormwater samples collected for the previous monitoring year (July 1- June 30).

☐ **Monitoring Waiver Reduction Notification**:
Check the box if your facility is exercising a waiver of monitoring based on meeting benchmarks listed in Schedule A.9., AND site conditions have not changed to impact stormwater run-off. Note: This does not exclude your facility from notifying DEQ about the waiver of monitoring. Please read Schedule B of the permit to clearly understand the monitor waiver reduction guidelines. If waiver request is for select pollutants, list the parameters excluded from monitoring: _____.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Lail
Title: Environmental Engineer
Date: 6/9/06

Comment [BoES1]: Page 2

Revised 6/8/2006

RECEIVED DEC 5 2005

www.coffeylabs.com
www.onlinelab.com

COVER LETTER

Cover Letter: Page 1 of 1
Report Date: November 28, 2005
Job Number: A51102BV WackerSilt
Purchase Order: 45000186654
Project Name: Fall '05 Stormwater
Project No: 99-101/0511028

Tom Rothschild
Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210

Dear Tom Rothschild,

Enclosed please find Coffey Laboratories (CLI) analytical report Job Number A51102BV organized into the following sections:

Section	*Pages*
Cover Letter	1-1
Analytical Narrative	1-2
Sample Results	1-1
Lab Specific QC	1-1

This report and any other report completed by CLI dating back to 1979 is available in PDF format for you to view or download anytime from **www.onlinelab.com** with a valid username and password. If you do not have an online account with us, please give Customer Services a call and ask them to establish one.

Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help

President, Coffey Laboratories Incorporated:		
Susan Coffey	Susan.Coffey@CoffeyLabs.com	(503) 254-1794 ext. 209
Quality Assurance:		
Ragheda Kaady	Ragheda.Kaady@CoffeyLabs.com	(503) 254-1794 ext.214
Customer Service, Portland:		
Linda Bangs	Linda.Bangs@CoffeyLabs.com	(503) 254-1794 ext.216
Mark Leed	Mark.Leed@CoffeyLabs.com	(503) 254-1794 ext.217
Customer Service, Pendleton:		
Renee Struthers	Renee.Struthers@CoffeyLabs.com	(541) 276-0385
Diane Garton	Diane.Garton@CoffeyLabs.com	(541) 276-0385
Customer Service, Redmond:		
Ann Llewellyn	Ann.Llewellyn@CoffeyLabs.com	(541) 548-0972

Thank you for allowing CLI to be of service to you, we appreciate your business.

Sincerely,

Technical Services

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way, Portland, OR, 97230, (503) 254-1794, FAX (503) 254-1452
419 SW 5th St, Pendleton, OR, 97801, (541)276-0385, FAX (541) 276-0385
1810 SE 1st Street Suite L, Redmond, OR, 97756, (541) 548-0972, FAX (541) 548-6345

SCOEPA00024650

www.coffeylabs.com
www.onlinelab.com

Report Date: November 28, 2005
Job Number: A51102BV
Custabbr: WackerSilt

ANALYTICAL NARRATIVE

Job Comments:
The samples listed below were received at CLI Portland on 11/2/2005 as Job Number A51102BV.

Sample Comments:
All samples were properly preserved, in good condition, and in the appropriate containers.

Method Comments:
Recommended holding time was in accordance with method specific and/or data quality objectives specified in the CLI QAP. All analyses were performed according to the CLI QAP and met requirements of NELAC standards as documented in the Sample Results section of this report.

The Notes column at the Method line on Sample Results pages indicate which CLI branch performed the analyses and whether there were any holding time violations.
1. Analysis done at Portland Branch, ORELAP# OR100028
2. Analysis done at Pendelton Branch, ORELAP# OR100029
3. Analysis done at Redmond Branch
4. Method holding time exception

Analyte Comments:

B	Blank Contamination	MI	Matrix Interference
CV	Calculated Value	R	RPD ouside limit
D	Diluted out of range	RE	Re-Extracted and Re-Analyzed
E	Analyte Concentration Exceeds Range	S	Spike Recovery Outside Limit
H	Holding time exceeded	X	Non ORELAP accredited
J	Estimated Value, below MRL	Z	RPD Not Calculable with Duplicate ND

Miscellaneous Comments:
All results pertain only to samples submitted, are for the sole and exclusive use of the above-named client, and are provided under the terms and conditions of the CLI Chain of Custody. Samples will be retained a maximum of 15 days from the report date unless prior arrangements have been made.

Acronyms:

CLI	Coffey Laboratories, Incorporated
NELAC	National Environmental Laboratory Accreditation Conference
ORELAP	Oregon Environmental Laboratory Accreditation Program
NR	Not Reported
MRL	Method Reporting Limit
NA	Not Applicable
ND	None Detected at or Above MRL
NP	Not Provided
NC	Not Calculable
QAP	(Coffey Laboratories) Quality Assurance Plan
RPD	Relative Percent Difference

Abbreviations:
g = grams
L = liter
m = metric systemprefix for milli or 10E-3
u = metric system prefix for micro or 10E-6.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way, Portland, OR, 97230, (503) 254-1794, FAX (503) 254-1452
419 SW 5th St, Pendleton, OR, 97801, (541)276-0385, FAX (541) 276-0385
1810 SE 1st Street Suite L, Redmond, OR, 97756, (541) 548-0972, FAX (541) 548-6345

SCOEPA00024651

www.coffeylabs.com
www.onlinelab.com

ANALYTICAL NARRATIVE

Field ID / Container	Size	Preservative	Matrix / Lab ID	Collect Date	Collect Time	Notes
05-99-SW-10			**Storm Water**			
Glass	*1L*	*HCl*	*51102BV1i*	*11/01/2005*	*08:50*	
Plastic	*250ml*	*HNO3*	*51102BV1j*	*11/01/2005*	*08:50*	
05-100-SW-S			**Storm Water**			
Glass	*1L*	*HCl*	*51102BV2i*	*11/01/2005*	*08:30*	
Plastic	*250ml*	*HNO3*	*51102BV2j*	*11/01/2005*	*08:30*	
05-101-SW-E			**Storm Water**			
Glass	*1L*	*HCl*	*51102BV3i*	*11/01/2005*	*08:10*	
Plastic	*250ml*	*HNO3*	*51102BV3j*	*11/01/2005*	*08:10*	

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way, Portland, OR, 97230, (503) 254-1794, FAX (503) 254-1452
419 SW 5th St, Pendleton, OR, 97801, (541)276-0385, FAX (541) 276-0385
1810 SE 1st Street Suite L, Redmond, OR, 97756, (541) 548-0972, FAX (541) 548-6345

SCOEPA00024652

www.coffeylabs.com
www.onlinelab.com

SAMPLE RESULTS

Report Date: November 28, 2005
Job Number: A51102BV SW
Custabbr WackerSilt

Parameter	Results	MRL	Unit	Dilution	Batch	Extracted	Analyzed	Analyst	Notes
05-99-SW-10 (A51102BV-1)									
EPA 1664: Inorganic Chemicals									1
Total Oil & Grease	ND	3.	mg/l	1	5110242		11/15/05	NAC	
EPA 200.7: Inorganic Chemicals									1
Copper	ND	0.03	mg/L	1	5110094		11/03/05	MGH	
Zinc	0.06	0.05	mg/L	1	5110094		11/03/05	MGH	
EPA 239.2: Inorganic Chemicals									1
Lead	ND	0.0052	mg/L	1	5110186		11/08/05	CV	
05-100-SW-S (A51102BV-2)									
EPA 1664: Inorganic Chemicals									1
Total Oil & Grease	ND	3.	mg/l	1	5110242		11/15/05	NAC	
EPA 200.7: Inorganic Chemicals									1
Copper	ND	0.03	mg/L	1	5110094		11/03/05	MGH	
Zinc	0.08	0.05	mg/L	1	5110094		11/03/05	MGH	
EPA 239.2: Inorganic Chemicals									1
Lead	ND	0.0052	mg/L	1	5110186		11/08/05	CV	
05-101-SW-E (A51102BV-3)									
EPA 1664: Inorganic Chemicals									1
Total Oil & Grease	ND	3.	mg/l	1	5110242		11/15/05	NAC	
EPA 200.7: Inorganic Chemicals									1
Copper	ND	0.03	mg/L	1	5110094		11/03/05	MGH	
Zinc	0.1	0.05	mg/L	1	5110094		11/03/05	MGH	
EPA 239.2: Inorganic Chemicals									1
Lead	ND	0.0052	mg/L	1	5110186		11/08/05	CV	

See Narrative for explanation of notes and abbreviations

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way, Portland, OR, 97230, (503) 254-1794, FAX (503) 254-1452
419 SW 5th St, Pendleton, OR, 97801, (541)276-0385, FAX (541) 276-0385
1810 SE 1st Street Suite L, Redmond, OR, 97756, (541) 548-0972, FAX (541) 548-6345

SCOEPA00024653

www.coffeylabs.com
www.onlinelab.com

Laboratory Specific QC

Report Date: November 28, 2005
Job Number: A51102BV
Custabbr: WackerSilt

Analyte	MRL	Result	Units	%Recovery	Limit	RPD	Limit	Notes
EPA 200.7	**Batch:** 5110094	**Runid:** CPIMULTI3 (Continuing Calibration Verif.)						
Copper	6.	98.	mg/L	98	75.-125.			
Zinc	10.	100.	mg/L	100	75.-125.			
EPA 200.7	**Batch:** 5110094	**Runid:** CPIMULTI3 (Initial Calibration Verif.)						
Copper	3.	99.	mg/L	99	75.-125.			
Zinc	5.	100.	mg/L	100	75.-125.			
EPA 200.7	**Batch:** 5110094	**Runid:** 3010MS-8 (Laboratory Control Sample)						
Copper	0.03	0.37	mg/L	95	75.-125.			
Zinc	0.05	0.39	mg/L	100	75.-125.			
EPA 200.7	**Batch:** 5110094	**Runid:** 51102W1J (Post Digestion Spike)						
Copper	0.03	1.8	mg/L	90	75.-125.			
Zinc	0.05	2.	mg/L	99	75.-125.			
EPA 239.2	**Batch:** 5110186	**Runid:** CPI-1 (Continuing Calibration Verif.)						
Lead	2.	9.	mg/L	90	75.-125.			
EPA 239.2	**Batch:** 5110186	**Runid:** JTB-6 (Initial Calibration Verif.)						
Lead	5.	10.	mg/L	100	75.-125.			
EPA 239.2	**Batch:** 5110186	**Runid:** CPIMULTI3 (Laboratory Control Sample)						
Lead	0.052	0.22	mg/L	101	75.-125.			
EPA 239.2	**Batch:** 5110186	**Runid:** CPIMULTI3 (Laboratory Control Sample)						
Lead	0.052	0.22	mg/L	99	75.-125.			
EPA 239.2	**Batch:** 5110186	**Runid:** 51031G2J (Post Digestion Spike)						
Lead	0.01	0.05	mg/L	101	75.-125.			
EPA 1664	**Batch:** 5110242	**Runid:** 1664LCS-1 (Laboratory Control Sample)						
Total Oil & Grease	3.	38.	mg/l	95	83.-101.			
EPA 1664	**Batch:** 5110242	**Runid:** 1664LCS-1 (Laboratory Control Duplicate)						
Total Oil & Grease	3.	39.	mg/l	97	83.-101.	2	34	

See Narrative for explanation of notes and abbreviations

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way, Portland, OR, 97230, (503) 254-1794, FAX (503) 254-1452
419 SW 5th St, Pendleton, OR, 97801, (541)276-0385, FAX (541) 276-0385

SCOEPA00024654

COFFEY LABORATORIES, INC.
CHAIN OF CUSTODY RECORD

Page ____ of ____

CENTRAL OREGON BRANCH
1810 SE 1st Street, Suite L
Redmond, OR 97756
Phone: (541)548-0972 Fax: (541)548-6345

CORPORATE HEADQUARTERS
12242 NE Whitaker Way
Portland, OR 97230
Phone: (503)254-1794 Fax: (503)254-1452

EASTERN OREGON BRANCH
419 SW 5th Street
Pendleton, OR 97801
Phone: (541) 276-0385 Fax: (541) 276-2041

Company: Siltronic Corp.
Contact: Tom Rothschild
Address: 7200 NW Front Ave
Portland, Oregon
Phone: (503) 219-2374 Fax: 503) 219-2394
Billing (if different): _____

Analysis Requested

Purchase Order Number: 4500018654
Project Number: 99-101
Project Name: Fall 05 Stormwater

- ☐ Report Instructions:
- ☐ State Compliance Format
- ☐ Fax Preliminary Results
- ☒ Fax Final Results
- ☐ Verbal Results
- Other: _____

Sample ID	Date/Time Collected		Oil/Grease (HEM)	TSS	Total Phosphorus	Matrix	Comments	ID	Loc.	#
05-99-SW-D	11.1.05	0850	X	X						
05-100-SW-S	11.1.05	0830	X	X						
05-101-SW-E	11.1.05	0810	X	X						

Collected By: TR/JD/BK

Relinquished By	Date	Time	Received By	Date	Time
Diane Drasta	11.1.05			11.1.05	1400

- ☒ Standard
- ☐ Priority (1.5 Times Standard)
- ☐ Rush (2 Times Standard)
- ☐ Emergency (3 Times Standard)

About Availability

Laboratory Use Only:
Custabbr: _____
Job Number: _____
- ☐ Proper Container
- ☐ Sample Condition
- ☐ Temperature 4 ± 2°C
- ☐ Shipped Via: _____
- ☐ Cash/Check/CC/Net 30/ _____

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO CLI WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM.

SCOEPA00024655

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 11-01-05 Oven Temp: 103 C Analyst: DI

Date In: 11-01-05 Time In/Out: 1100 / 1357

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	N/A	0.0915	0.0915	0
2	05-99-N	200	0.0895	0.0885	5
3	05-99-N	200	0.0885	0.0876	4.5
				North Average TSS	4.75
4	05-100-E	200	0.0897	0.0882	7.5
5	05-100-E	200	0.0883	0.0874	4.5
				East Average TSS	6
6	05-100-S	200	0.0942	0.0921	10.5
7	05-100-S	200	0.0929	0.0908	10.5
				South Average TSS	10.5

Notes: See TSS PADS on Back ->

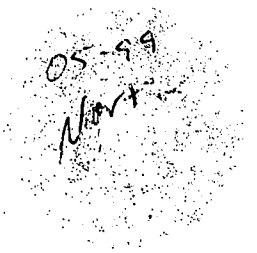
Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, mg - Tare Wt, mg) X 1000}}{\text{Volume of Sample, ml}}$

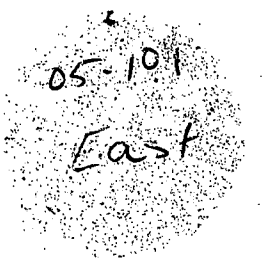
Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

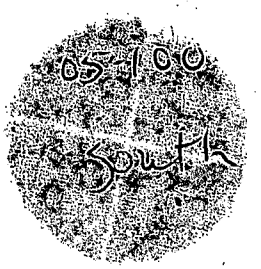
Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 12 Nov 2003 Revised

N:\Environmental\FACLAB\DIANNES\storm water\TSSSWB.DOC







SCOEPA00024657

BENCHSHEET

pH

Test Date: 11-01-05 Sample Date: 11-01-05 Analyst: DI

Slope: 99.6 (Range: 92 to 102%)

Standards:

4.0 mg/L: Lot #: 1407303 Date Opened: 3/28/05

7.0 mg/L: Lot #: 1504757 Date Opened: 11/01/05

10.0 mg/L: Lot #: 1410129 Date Opened: 5/28/05

Sample	pH Units
North 05-99	6.0
East 05-101	6.1
South 05-100	6.3

Notes: Rainwater collected for 24 hrs in a beaker = 5.1 pH

Reference: 1. Standard Methods For The Examination of Water And Wastewater, 1998, 20th Edition, Section 4500-H^+B page 4-87.

DEI 13 Aug 2003

N:\ENVIRONMENTAL\FACLAB\DIANNES\STORM WATER\PHB.DOC

SCOEPA00024658

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

April 30, 2006

RECEIVED MAY 3 2006

Thomas Rothschild
Siltronic
7200 N.W. Front Ave
Portland, OR 97210

RE: Storm Water

Enclosed are the results of analyses for samples received by the laboratory on 04/10/06 16:00.
The following list is a summary of the NCA Work Orders contained in this report.
If you have any questions concerning this report, please feel free to contact me.

Work	Project	ProjectNumber
PPD0384	Storm Water	Spring 2006/22-24/PO# 450

Thank You,

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name:	**Storm Water**	
7200 N.W. Front Ave	Project Number:	Spring 2006/22-24/PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	04/30/06 18:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
06-22-SW-N	PPD0384-01	Water	04/10/06 08:00	04/10/06 16:00
06-23-SW-E	PPD0384-02	Water	04/10/06 08:15	04/10/06 16:00
06-24-SW-S	PPD0384-03	Water	04/10/06 07:45	04/10/06 16:00

North Creek Analytical - Portland

Brian L Cone

Brian Cone, Industrial Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SCOEPA00024660

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name: Storm Water	
7200 N.W. Front Ave	Project Number: Spring 2006/22-24/PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager: Thomas Rothschild	04/30/06 18:00

Total Metals per EPA 200 Series Methods

North Creek Analytical - Portland

Analyte		Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0384-01	**Water**	**06-22-SW-N**	**Sampled: 04/10/06 08:00**								
Copper		EPA 200.8	**0.00480**	-----	0.00200	mg/l	1x	6040691	04/14/06	04/26/06 09:22	
Lead		"	ND	-----	0.00100	"	"	"	"	04/16/06 23:59	
Zinc		"	**0.0887**	-----	0.00500	"	"	"	"	04/26/06 09:22	
PPD0384-02	**Water**	**06-23-SW-E**	**Sampled: 04/10/06 08:15**								
Copper		EPA 200.8	**0.00813**	-----	0.00200	mg/l	1x	6040691	04/14/06	04/26/06 09:38	
Lead		"	ND	-----	0.00100	"	"	"	"	04/17/06 00:07	
Zinc		"	**0.156**	-----	0.00500	"	"	"	"	04/26/06 09:38	
PPD0384-03	**Water**	**06-24-SW-S**	**Sampled: 04/10/06 07:45**								
Copper		EPA 200.8	**0.00505**	-----	0.00200	mg/l	1x	6040691	04/14/06	04/26/06 09:54	
Lead		"	**0.00106**	-----	0.00100	"	"	"	"	04/17/06 00:29	
Zinc		"	**0.117**	-----	0.00500	"	"	"	"	04/26/06 09:54	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024661

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name:	**Storm Water**	
7200 N.W. Front Ave	Project Number:	Spring 2006/22-24/PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	04/30/06 18:00

Conventional Chemistry Parameters by APHA/EPA Methods

North Creek Analytical - Bothell

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0384-01 Water	**06-22-SW-N**		**Sampled: 04/10/06 08:00**							
Oil & Grease (HEM)	EPA 1664A	ND	-----	4.81	mg/l	1x	6D18011	04/18/06	04/19/06 16:54	
Total Petroleum Hydrocarbons (SGT-HEM)	"	ND	-----	4.81	"	"	"	"	"	
PPD0384-02 Water	**06-23-SW-E**		**Sampled: 04/10/06 08:15**							
Oil & Grease (HEM)	EPA 1664A	ND	-----	4.81	mg/l	1x	6D18011	04/18/06	04/19/06 16:54	
Total Petroleum Hydrocarbons (SGT-HEM)	"	ND	-----	4.81	"	"	"	"	"	
PPD0384-03 Water	**06-24-SW-S**		**Sampled: 04/10/06 07:45**							
Oil & Grease (HEM)	EPA 1664A	ND	-----	4.81	mg/l	1x	6D18011	04/18/06	04/19/06 16:54	
Total Petroleum Hydrocarbons (SGT-HEM)	"	ND	-----	4.81	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024662

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name: Storm Water	
7200 N.W. Front Ave	Project Number: Spring 2006/22-24/PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager: Thomas Rothschild	04/30/06 18:00

Total Metals per EPA 200 Series Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 6040691 Water Preparation Method: EPA 200/3005

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6040691-BLK1)								Extracted: 04/14/06 15:23						
Copper	EPA 200.8	ND	---	0.00200	mg/l	1x	--	--	--	--	--	--	04/26/06 04:19	
Lead	"	ND	---	0.00100	"	"	--	--	--	--	--	--	04/16/06 21:33	
Zinc	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Blank (6040691-BLK2)								Extracted: 04/14/06 15:23						
Lead	EPA 200.8	ND	---	0.00100	mg/l	1x	--	--	--	--	--	--	04/26/06 04:19	
Zinc	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
LCS (6040691-BS1)								Extracted: 04/14/06 15:23						
Copper	EPA 200.8	0.103	---	0.00200	mg/l	1x	--	0.100	103%	(85-115)	--	--	04/26/06 04:35	
Lead	"	0.104	---	0.00100	"	"	--	"	104%	"	--	--	04/16/06 21:41	
Zinc	"	0.0904	---	0.00500	"	"	--	"	90.4%	"	--	--	"	
LCS (6040691-BS2)								Extracted: 04/14/06 15:23						
Lead	EPA 200.8	0.101	---	0.00100	mg/l	1x	--	0.100	101%	(85-115)	--	--	04/26/06 04:35	
Zinc	"	0.0940	---	0.00500	"	"	--	"	94.0%	"	--	--	"	
Duplicate (6040691-DUP1)				QC Source: PPD0321-01				Extracted: 04/14/06 15:23						
Copper	EPA 200.8	0.144	---	0.00200	mg/l	1x	0.144	--	--	--	0.00%	(20)	04/26/06 05:23	
Lead	"	0.0181	---	0.00100	"	"	0.0182	--	--	--	0.551%	"	04/16/06 22:04	
Zinc	"	0.320	---	0.00500	"	"	0.325	--	--	--	1.55%	"	"	
Matrix Spike (6040691-MS1)				QC Source: PPD0321-01				Extracted: 04/14/06 15:23						
Copper	EPA 200.8	0.239	---	0.00200	mg/l	1x	0.144	0.100	95.0%	(75-125)	--	--	04/26/06 05:39	
Lead	"	0.120	---	0.00100	"	"	0.0182	"	102%	"	--	--	04/16/06 22:20	
Zinc	"	0.420	---	0.00500	"	"	0.325	"	95.0%	(70-130)	--	--	"	
Matrix Spike (6040691-MS2)				QC Source: PPD0380-01				Extracted: 04/14/06 15:23						
Copper	EPA 200.8	0.276	---	0.0200	mg/l	10x	0.181	0.100	95.0%	(75-125)	--	--	04/26/06 10:58	
Lead	"	0.167	---	0.0100	"	"	0.0831	"	83.9%	"	--	--	04/27/06 06:01	
Zinc	"	2.08	---	0.0500	"	"	1.95	"	130%	(70-130)	--	--	04/26/06 10:58	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024663

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name: Storm Water	
7200 N.W. Front Ave	Project Number: Spring 2006/22-24/PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager: Thomas Rothschild	04/30/06 18:00

Conventional Chemistry Parameters by APHA/EPA Methods - Laboratory Quality Control Results

North Creek Analytical - Bothell

QC Batch: 6D18011 Water Preparation Method: Gravimetric (hexane)

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D18011-BLK1)							Extracted: 04/18/06 08:46							
Oil & Grease (HEM)	EPA 1664A	ND	---	5.00	mg/l	1x	--	--	--	--	--	--	04/19/06 16:54	
Total Petroleum Hydrocarbons (SGT-HEM)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
LCS (6D18011-BS1)							Extracted: 04/18/06 08:46							
Oil & Grease (HEM)	EPA 1664A	35.7	---	5.00	mg/l	1x	--	40.0	89.2%	(78-114)	--	--	04/19/06 16:54	
Total Petroleum Hydrocarbons (SGT-HEM)	"	15.1	---	5.00	"	"	--	20.0	75.5%	(64-132)	--	--	"	
LCS Dup (6D18011-BSD1)							Extracted: 04/18/06 08:46							
Oil & Grease (HEM)	EPA 1664A	35.9	---	5.00	mg/l	1x	--	40.0	89.8%	(78-114)	0.559%	(18)	04/19/06 16:54	
Total Petroleum Hydrocarbons (SGT-HEM)	"	13.8	---	5.00	"	"	--	20.0	69.0%	(64-132)	9.00%	(34)	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024664

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name:	**Storm Water**	
7200 N.W. Front Ave	Project Number:	Spring 2006/22-24/PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	04/30/06 18:00

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR / NA - Not Reported / Not Available

dry - Sample results reported on a dry weight basis. Reporting Limits have been corrected for %Solids.

wet - Sample results and reporting limits reported on a wet weight basis (as received).

RPD - Relative Percent Difference. (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024665

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9
11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PPD0384

NCA CLIENT: Siltronic
REPORT TO: Tom Rothschild
ADDRESS: 7200 NW Front Ave
Portland, Oregon
PHONE: 503-219-7374 FAX: 503-219-4144

INVOICE TO: Accts Payable
P.O. NUMBER: 4500186654

PROJECT NAME: Storm Water-Spring '06
PROJECT NUMBER: 22~24
SAMPLED BY: Tom Rothschild / Paul Wittke

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: X STD | 7 | 5 | 4 | 3 | 2 | 1 | <1
Petroleum Hydrocarbon Analyses: X 5 | 4 | 3 | 2 | 1 | <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: oil/grease (1664), Cu, Pb, Zn (200.8)	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	06-22-SW-N	4/10/06 0800		X X	W	2		
2	06-23-SW-E	4/10/06 0815		X X	W	2		
3	06-24-SW-S	4/10/06 0745		X X	W	2		
4								
5								
6								
7								
8								
9								
10								

RELEASED BY: Dianne Irish — DATE: 4.10.06
PRINT NAME: Dianne Irish — FIRM: Siltronic — TIME:

RECEIVED BY: [signature] — DATE: 4/10/06
PRINT NAME: Bob F — FIRM: NCA — TIME: 15:25

RELEASED BY: — DATE:
PRINT NAME: — FIRM: — TIME:

RECEIVED BY: — DATE: lab 16:00
PRINT NAME: — FIRM: — TIME:

ADDITIONAL REMARKS:

TEMP: 4.5

COC REV 09/04

PAGE OF

SCOEPA00024666

TAT _____

Non-Conformances?
Circle Y or N
(If Y, see other side)

TEST AMERICA SAMPLE RECEIPT CHECKLIST

Received By: (applies to items at receipt)
Date: 4/10/06
Time: 1.5 25
Initials: BA

Logged-in By:
Date: 4.10.06
Initials: JO

Unpacked/Labeled By:
Date: 4.10.06
Initials: JO

Cooler ID: ____ (___ of __)
Work Order No: PPD0384
Client: Siltronix
Project: Stormwater - Spring '06

Container Type:
1 Cooler
___ Box
___ None/Other _____

COC Seals
___ Ship. Container ___ Sign By
___ On Bottles ___ Date
X None

Packing Material
___ Bubble Bags ___ Styrofoam
___ Foam Packs
___ None/Other Other _____

Refrigerant
___ Gel Ice Pack _____ ___ None
X Loose Ice
___ None/Other _____

Received Via, Bill#
___ Fed Ex ___ Client
___ UPS X NCA Courier BOL
___ DHL ___ Mid Valley
___ Senvoy ___ TDP
___ GS ___ Other _____

Cooler Temperature (IR): 3.3 °C Plastic Glass (Frozen filters, Tedlars and aqueous Metals exempt)
(circle one)

Temperature Blank? ____ °C or NA Trip Blank? Y or N or NA

Sample Containers:		ID			ID
Intact?	Y or N		Metals Preserved?	Y or N or NA	
Provided by NCA?	Y or N		Client QAPP Preserved?	Y or N or NA	
Correct Type?	Y or N		Adequate Volume? (for tests requested)	Y or N	
#Containers match COC?	Y or N		Water VOAs: Headspace?	Y or N or NA	
IDs/time/date match COC?	Y or N		Comments:		
Hold Times in hold?	Y or N				

PROJECT MANAGEMENT

Is the Chain of Custody complete? Y or N If N, circle the items that were incomplete

Comments Problems _____

Total access set up? Y or N
Has client been contacted regarding non-conformances? Y or N If Y, ____/____ Date Time

PM initials _____ Date _____ Time _____

rev 0 05/12/05

SCOEPA00024667

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 4.10.06 Oven Temp: 103 C Analyst: Di

Date In: 4.10.06 Time In/Out: 1000 / 1315

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	N/A	0.0907	0.0907	
2	North	500	0.0922	0.0909	2.6
3	North	500	0.0928	0.0915	2.6
				North Average TSS	2.6
4	East	500	0.0970	0.0921	9.8
5	East	500	0.0962	0.0909	10.6
				East Average TSS	10.2
6	South	500	0.0935	0.0914	4.2
7	South	500	0.0939	0.0920	3.8
				South Average TSS	4.0

Notes: see back for TSS Pads -

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, mg - Tare Wt, mg) X 1000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 12 Nov 2003 Revised

N:\Environmental\FACLAB\DIANNES\storm water\TSSSWB.DOC

SCOEPA00024668

North

East

South

BENCHSHEET

pH

Test Date: 4.10.06 Sample Date: 4.10.06 Analyst: DI

Slope: 99.3 (Range: 92 to 102%)

Standards:

4.0 mg/L: Lot #: 1407303 Date Opened: 3/28/05

7.0 mg/L: Lot #: 1504752 Date Opened: 11/01/05

10.0 mg/L: Lot #: 1506586 Date Opened: 4/6/06

Sample	pH Units
North	5.76
East	6.31
South	6.49

Notes: _____

_____

_____

Reference: 1. Standard Methods For The Examination of Water And Wastewater, 1998, 20th Edition, Section 4500-H^+B page 4-87.

DEI 13 Aug 2003

N:\ENVIRONMENTAL\FACLAB\DIANNES\STORM WATER\PHB.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	8 Jul 2005 JJR	
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	8-29-05	D1
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	9-30-05	Di
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging): 29 Oct 2005

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Floating Solids	No visible discharge	Yes or No	No JR	No JR	No JR
Oil and Grease Sheen*	No visible sheen	Yes or No	No JR	No JR	No JR

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	11.1.05	
			North 05-99	East 05-101	South 05-100
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:	11.1.05	
			North 05-99	East 05-101	South 05-100
Total Copper	0.1	mg/L	<0.03	<0.03	<0.03
Total Lead	0.4	mg/L	<0.0052	<0.0052	<0.0052
Total Zinc	0.6	mg/L	0.06	0.08	0.1
PH	5.5-9	Su	6.0	6.1	6.3
TSS	130	mg/L	4.75	6	10.5
Oil and Grease	10	mg/L	<3.0	<3.0	<3.0

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	12.20.05	DI
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	9 Jan 2006 (1) / 3yR	
			North	East (2)	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

(1) Raining at 1500. 3yR
(2) Minky Brown. 3yR

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	27 Feb 2006 (1020) (1)	
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No (2)	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

(1) Light Drizzle.3gp
(2) Murky.3gp

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	3-29-06 DI/PW	
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	4.10.06	D1
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L	0.00480	0.00813	0.00505
Total Lead	0.4	mg/L	<0.001	<0.001	0.00106
Total Zinc	0.6	mg/L	0.0887	0.156	0.117
PH	5.5-9	Su	5.76	6.31	6.49
TSS	130	mg/L	2.6	10.2	4.0
Oil and Grease	10	mg/L	<4.81	<4.81	<4.81

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE: 19 May 2006 (1450) JJR		
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No (1)	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

(1) Murky brown.

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	1 Jan 2006 (1315) JJR	
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L			
Total Lead	0.4	mg/L			
Total Zinc	0.6	mg/L			
PH	5.5-9	Su			
TSS	130	mg/L			
Oil and Grease	10	mg/L			

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
Koreen.lail@siltronic.com

Loren Shelley
City of Portland
Industrial Stormwater Program
6543 N Burlington Avenue
Portland, Oregon 97203-5452

ER:027KLL

June 9, 2006

Industrial Storm Water NPDES 1200-Z Monitoring Report for July 1, 2005 to June 30, 2006

Dear Mr. Shelley,

Attached is Siltronic Corporation's Industrial Storm Water NPDES 1200-Z Monitoring Report for July 1, 2005 to June 30, 2006 as required by Siltronic's NPDES Storm Water Discharge Permit number 1200-Z issued October 1, 2002. Sampling was conducted November 1, 2005 and April 10, 2006 meeting the requirement of conducting two monitoring events per sample point between July 1, 2005 and June 30, 2006. All parameters were below benchmarks.

The following materials are enclosed in this report:

1. A summary of the results for 2005-2006 including sample results, bench marks, detection limits and analytical methods used.
2. Siltronic Corporation laboratory bench sheets for TSS and pH.
3. Copies of outside laboratory reports including the chain of custody forms for copper, lead, zinc and total oil & grease.

If you have any questions or comments, please contact me.

Best regards,

Siltronic Corporation

Koreen Lail
Environmental Engineer

CC: BES Storm water File
Tom Rothschild

siltronic
perfect silicon solutions

Summary of Results for 2005 - 2006

PARAMETER	Sample date	North results	East results	South results	BENCH MARK	Units	Detection limit	Method & Comments
Copper	11/1/2005	<0.03	<0.03	<0.03	0.1	mg/L	0.03	EPA 200.7
	4/10/06	<0.03	<0.03	<0.03				
Lead	11/1/2005	<0.0052	<0.0052	<0.0052	0.4	mg/L	0.005	EPA 239.2
	4/10/06	<0.001	<0.001	.00106				
Zinc	11/1/2005	0.06	.08	0. 1	0.6	mg/L	0.05	EPA 200.7
	4/10/06	.0887	.156	.117				
pH	11/1/2005	6.0	6.1	6.3	5.5-9	pH units	0.1	Standards Methods 1998, 20th ed, Section 4500-H^+
	4/10/06	5.76	6.31	6.49				
TSS	11/1/2005	4.75	6.0	10.5	130	mg/L	0.1	Standards Methods 1998, 20th ed, Section 2540 D
	4/10/06	2.6	10.2	4.0				
Oil and Grease	11/1/2005	<3	<3	<3	10	mg/L	3	EPA 1664
	4/10/06	<4.81	<4.81	<4.81				

Industrial Source Control Division

INDUSTRIAL STORMWATER

NPDES 1200-Z MONITORING REPORT

Industry Name:

Site Address:

The permittee shall monitor stormwater **twice** per year for the parameters outlined in their NPDES 1200-Z Stormwater Discharge Permit Schedule B.1.a., and submit results to the City as stated in Schedule D.2.

Stormwater samples were taken for the above permittee, on these days and at these sample points:

Sample Date(s)	Sample Point(s)
11/1/05	North, East, South
4/10/06	North, East, South

The permittee shall submit by **July 15** of each year a copy of the **laboratory analysis reports,** which show analytical methods and detection limits, for stormwater samples collected for the previous monitoring year (July 1- June 30).

☐ **Monitoring Waiver Reduction Notification:**
Check the box if your facility is exercising a waiver of monitoring based on meeting benchmarks listed in Schedule A.9., AND site conditions have not changed to impact stormwater run-off. Note: This does not exclude your facility from notifying DEQ about the waiver of monitoring. Please read Schedule B of the permit to clearly understand the monitor waiver reduction guidelines. If waiver request is for select pollutants, list the parameters excluded from monitoring: _____.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Lail
Title: Environmental Engineer
Date: 6/9/06

Comment [BoES1]: Page 2

Revised 6/8/2006

RECEIVED DEC 5 2005

3JR

www.coffeylabs.com
www.onlinelab.com

COVER LETTER

Cover Letter: Page 1 of 1
Report Date: November 28, 2005
Job Number: A51102BV WackerSilt
Purchase Order: 45000186654
Project Name: Fall '05 Stormwater
Project No: 99-101/0511028

Tom Rothschild
Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210

Dear Tom Rothschild,

Enclosed please find Coffey Laboratories (CLI) analytical report Job Number A51102BV organized into the following sections:

Section	*Pages*
Cover Letter	1-1
Analytical Narrative	1-2
Sample Results	1-1
Lab Specific QC	1-1

This report and any other report completed by CLI dating back to 1979 is available in PDF format for you to view or download anytime from **www.onlinelab.com** with a valid username and password. If you do not have an online account with us, please give Customer Services a call and ask them to establish one.

Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help

President, Coffey Laboratories Incorporated:		
Susan Coffey	Susan.Coffey@CoffeyLabs.com	(503) 254-1794 ext. 209
Quality Assurance:		
Ragheda Kaady	Ragheda.Kaady@CoffeyLabs.com	(503) 254-1794 ext.214
Customer Service, Portland:		
Linda Bangs	Linda.Bangs@CoffeyLabs.com	(503) 254-1794 ext.216
Mark Leed	Mark.Leed@CoffeyLabs.com	(503) 254-1794 ext.217
Customer Service, Pendleton:		
Renee Struthers	Renee.Struthers@CoffeyLabs.com	(541) 276-0385
Diane Garton	Diane.Garton@CoffeyLabs.com	(541) 276-0385
Customer Service, Redmond:		
Ann Llewellyn	Ann.Llewellyn@CoffeyLabs.com	(541) 548-0972

Thank you for allowing CLI to be of service to you, we appreciate your business.

Sincerely,

Technical Services

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way, Portland, OR, 97230, (503) 254-1794, FAX (503) 254-1452
419 SW 5th St, Pendleton, OR, 97801, (541)276-0385, FAX (541) 276-0385
1810 SE 1st Street Suite L, Redmond, OR, 97756, (541) 548-0972, FAX (541) 548-6345

SCOEPA00024686

www.coffeylabs.com
www.onlinelab.com

Report Date: November 28, 2005
Job Number: A51102BV
Custabbr: WackerSilt

ANALYTICAL NARRATIVE

Job Comments:
The samples listed below were received at CLI Portland on 11/2/2005 as Job Number A51102BV.

Sample Comments:
All samples were properly preserved, in good condition, and in the appropriate containers.

Method Comments:
Recommended holding time was in accordance with method specific and/or data quality objectives specified in the CLI QAP. All analyses were performed according to the CLI QAP and met requirements of NELAC standards as documented in the Sample Results section of this report.

The Notes column at the Method line on Sample Results pages indicate which CLI branch performed the analyses and whether there were any holding time violations.
1. Analysis done at Portland Branch, ORELAP# OR100028
2. Analysis done at Pendelton Branch, ORELAP# OR100029
3. Analysis done at Redmond Branch
4. Method holding time exception

Analyte Comments:

B	Blank Contamination	MI	Matrix Interference
CV	Calculated Value	R	RPD ouside limit
D	Diluted out of range	RE	Re-Extracted and Re-Analyzed
E	Analyte Concentration Exceeds Range	S	Spike Recovery Outside Limit
H	Holding time exceeded	X	Non ORELAP accredited
J	Estimated Value, below MRL	Z	RPD Not Calculable with Duplicate ND

Miscellaneous Comments:
All results pertain only to samples submitted, are for the sole and exclusive use of the above-named client, and are provided under the terms and conditions of the CLI Chain of Custody. Samples will be retained a maximum of 15 days from the report date unless prior arrangements have been made.

Acronyms:

CLI	Coffey Laboratories, Incorporated
NELAC	National Environmental Laboratory Accreditation Conference
ORELAP	Oregon Environmental Laboratory Accreditation Program
NR	Not Reported
MRL	Method Reporting Limit
NA	Not Applicable
ND	None Detected at or Above MRL
NP	Not Provided
NC	Not Calculable
QAP	(Coffey Laboratories) Quality Assurance Plan
RPD	Relative Percent Difference

Abbreviations:
g = grams
L = liter
m = metric systemprefix for milli or 10E-3
u = metric system prefix for micro or 10E-6.

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way, Portland, OR, 97230, (503) 254-1794, FAX (503) 254-1452
419 SW 5th St, Pendleton, OR, 97801, (541)276-0385, FAX (541) 276-0385
1810 SE 1st Street Suite L, Redmond, OR, 97756, (541) 548-0972, FAX (541) 548-6345

SCOEPA00024687

ANALYTICAL NARRATIVE

Field ID / Container	Size	Preservative	Matrix / Lab ID	Collect Date	Collect Time	Notes
05-99-SW-10			Storm Water			
Glass	*1L*	*HCl*	*51102BV1i*	*11/01/2005*	*08:50*	
Plastic	*250ml*	*HNO3*	*51102BV1j*	*11/01/2005*	*08:50*	
05-100-SW-S			Storm Water			
Glass	*1L*	*HCl*	*51102BV2i*	*11/01/2005*	*08:30*	
Plastic	*250ml*	*HNO3*	*51102BV2j*	*11/01/2005*	*08:30*	
05-101-SW-E			Storm Water			
Glass	*1L*	*HCl*	*51102BV3i*	*11/01/2005*	*08:10*	
Plastic	*250ml*	*HNO3*	*51102BV3j*	*11/01/2005*	*08:10*	

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way, Portland, OR, 97230, (503) 254-1794, FAX (503) 254-1452
419 SW 5th St, Pendleton, OR, 97801, (541)276-0385, FAX (541) 276-0385
1810 SE 1st Street Suite L, Redmond, OR, 97756, (541) 548-0972, FAX (541) 548-6345

SCOEPA00024688

www.coffeylabs.com
www.onlinelab.com

SAMPLE RESULTS

Sample results: Page 1 of 1
Report Date: November 28, 2005
Job Number: A51102BV SW
Custabbr WackerSilt

Parameter	Results	MRL	Unit	Dilution	Batch	Extracted	Analyzed	Analyst	Notes
05-99-SW-10 (A51102BV-1)									
EPA 1664: Inorganic Chemicals									1
Total Oil & Grease	ND	3.	mg/l	1	5110242		11/15/05	NAC	
EPA 200.7: Inorganic Chemicals									1
Copper	ND	0.03	mg/L	1	5110094		11/03/05	MGH	
Zinc	0.06	0.05	mg/L	1	5110094		11/03/05	MGH	
EPA 239.2: Inorganic Chemicals									1
Lead	ND	0.0052	mg/L	1	5110186		11/08/05	CV	
05-100-SW-S (A51102BV-2)									
EPA 1664: Inorganic Chemicals									1
Total Oil & Grease	ND	3.	mg/l	1	5110242		11/15/05	NAC	
EPA 200.7: Inorganic Chemicals									1
Copper	ND	0.03	mg/L	1	5110094		11/03/05	MGH	
Zinc	0.08	0.05	mg/L	1	5110094		11/03/05	MGH	
EPA 239.2: Inorganic Chemicals									1
Lead	ND	0.0052	mg/L	1	5110186		11/08/05	CV	
05-101-SW-E (A51102BV-3)									
EPA 1664: Inorganic Chemicals									1
Total Oil & Grease	ND	3.	mg/l	1	5110242		11/15/05	NAC	
EPA 200.7: Inorganic Chemicals									1
Copper	ND	0.03	mg/L	1	5110094		11/03/05	MGH	
Zinc	0.1	0.05	mg/L	1	5110094		11/03/05	MGH	
EPA 239.2: Inorganic Chemicals									1
Lead	ND	0.0052	mg/L	1	5110186		11/08/05	CV	

See Narrative for explanation of notes and abbreviations

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way, Portland, OR, 97230, (503) 254-1794, FAX (503) 254-1452
419 SW 5th St, Pendleton, OR, 97801, (541)276-0385, FAX (541) 276-0385
1810 SE 1st Street Suite L, Redmond, OR, 97756, (541) 548-0972, FAX (541) 548-6345

SCOEPA00024689

www.coffeylabs.com
www.onlinelab.com

Laboratory Specific QC

Report Date: November 28, 2005
Job Number: A51102BV
Custabbr: WackerSilt

Analyte	MRL	Result	Units	%Recovery	Limit	RPD	Limit	Notes
EPA 200.7	**Batch:** 5110094	**Runid:** CPIMULTI3 (Continuing Calibration Verif.)						
Copper	6.	98.	mg/L	98	75.-125.			
Zinc	10.	100.	mg/L	100	75.-125.			
EPA 200.7	**Batch:** 5110094	**Runid:** CPIMULTI3 (Initial Calibration Verif.)						
Copper	3.	99.	mg/L	99	75.-125.			
Zinc	5.	100.	mg/L	100	75.-125.			
EPA 200.7	**Batch:** 5110094	**Runid:** 3010MS-8 (Laboratory Control Sample)						
Copper	0.03	0.37	mg/L	95	75.-125.			
Zinc	0.05	0.39	mg/L	100	75.-125.			
EPA 200.7	**Batch:** 5110094	**Runid:** 51102W1J (Post Digestion Spike)						
Copper	0.03	1.8	mg/L	90	75.-125.			
Zinc	0.05	2.	mg/L	99	75.-125.			
EPA 239.2	**Batch:** 5110186	**Runid:** CPI-1 (Continuing Calibration Verif.)						
Lead	2.	9.	mg/L	90	75.-125.			
EPA 239.2	**Batch:** 5110186	**Runid:** JTB-6 (Initial Calibration Verif.)						
Lead	5.	10.	mg/L	100	75.-125.			
EPA 239.2	**Batch:** 5110186	**Runid:** CPIMULTI3 (Laboratory Control Sample)						
Lead	0.052	0.22	mg/L	101	75.-125.			
EPA 239.2	**Batch:** 5110186	**Runid:** CPIMULTI3 (Laboratory Control Sample)						
Lead	0.052	0.22	mg/L	99	75.-125.			
EPA 239.2	**Batch:** 5110186	**Runid:** 51031G2J (Post Digestion Spike)						
Lead	0.01	0.05	mg/L	101	75.-125.			
EPA 1664	**Batch:** 5110242	**Runid:** 1664LCS-1 (Laboratory Control Sample)						
Total Oil & Grease	3.	38.	mg/l	95	83.-101.			
EPA 1664	**Batch:** 5110242	**Runid:** 1664LCS-1 (Laboratory Control Duplicate)						
Total Oil & Grease	3.	39.	mg/l	97	83.-101.	2	34	

See Narrative for explanation of notes and abbreviations

Coffey Laboratories, Inc.
12423 N.E. Whitaker Way, Portland, OR, 97230, (503) 254-1794, FAX (503) 254-1452
419 SW 5th St, Pendleton, OR, 97801, (541)276-0385, FAX (541) 276-0385

SCOEPA00024690

COFFEY LABORATORIES, INC.
CHAIN OF CUSTODY RECORD

Page ____ of ____

CENTRAL OREGON BRANCH
1810 SE 1st Street, Suite L
Redmond, OR 97756
Phone: (541)548-0972 Fax: (541)548-6345

CORPORATE HEADQUARTERS
12423 NE Whitaker Way
Portland, OR 97230
Phone: (503)254-1794 Fax: (503)254-1452

EASTERN OREGON BRANCH
419 SW 5th Street
Pendleton, OR 97801
Phone: (541) 276-0385 Fax: (541) 276-2041

Company: Siltronic Corp.
Contact: Tom Rothschild
Address: 7200 NW Front Ave
Portland, Oregon
Phone: (503) 219-7374 Fax: (503) 215-4194
Billing (if different): ____

Analysis Requested: Oil & Grease 1664 | Total Petroleum Hydrocarbons | Total Suspended Solids 160.2 | Total Recoverable Petroleum Hydrocarbons

Purchase Order Number: 4500018654
Project Number: 99-101
Project Name: Fall '05 Stormwater

- ☐ Report Instructions
- ☐ State Compliance Format
- ☐ Fax Preliminary Results
- ☒ Fax Final Results
- ☐ Verbal Results
- ☐ Other: ____

Sample ID	Date/Time Collected	Oil & Grease 1664	Total Petroleum Hydrocarbons	Total Suspended Solids 160.2	Total Recoverable Petroleum Hydrocarbons	Matrix	Comments	ID	Loc.	#
05-99-SW-N	11-1-05 0820	X	X							
05-100-SW-S	11-1-05 0830	X	X							
05-101-SW-E	11-1-05 0810	X	X							

Collected By: TK/JD/BK

- ☒ Standard
- ☐ Priority (1.5 Times Standard)
- ☐ Rush (2 Times Standard)
- ☐ Emergency (3 Times Standard)

Ask About Availability

Relinquished By	Date	Time	Received By	Date	Time
Dianne Jusik	11-1-05		[illegible]	11-1-05	1450

Laboratory Use Only:
Custabbr.: ____
Job Number: ____
- ☐ Proper Container
- ☐ Sample Condition
- ☐ Temperature 4 ± 2°C
- ☐ Shipped Via: ____
- ☐ Cash/Check/CC/Net 30/ ____

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO CLI WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM.

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 11-01-05 Oven Temp: 103 C Analyst: DI

Date In: 11.01.05 Time In/Out: 1100 / 1357

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	N/A	0.0915	0.0915	0
2	05-99-N	200	0.0895	0.0885	5
3	05-99-N	200	0.0885	0.0876	4.5
				North Average TSS	4.75
4	05-100-E	200	0.0897	0.0882	7.5
5	05-100-E	200	0.0883	0.0874	4.5
				East Average TSS	6
6	05-100-S	200	0.0942	0.0921	10.5
7	05-100-S	200	0.0929	0.0908	10.5
				South Average TSS	10.5

Notes: See TSS Pads on Back ->

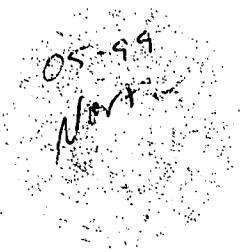
Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, mg - Tare Wt, mg) X 1000}}{\text{Volume of Sample, ml}}$

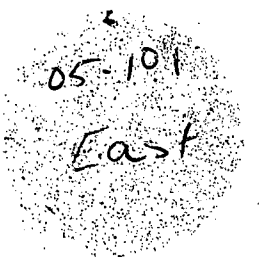
Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

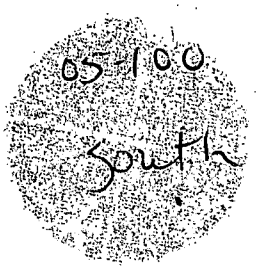
Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 12 Nov 2003 Revised

N:\Environmental\FACLAB\DIANNES\storm water\TSSSWB.DOC


05-99
North


05-101
East


05-100
South

BENCHSHEET

pH

Test Date: 11-01-05 Sample Date: 11-01-05 Analyst: DI

Slope: 99.6 (Range: 92 to 102%)

Standards:

4.0 mg/L: Lot #: 1407303 Date Opened: 3/28/05

7.0 mg/L: Lot #: 1504757 Date Opened: 11/01/05

10.0 mg/L: Lot #: 1410129 Date Opened: 5/28/05

Sample	pH Units
North 05-99	6.0
East 05-101	6.1
South 05-100	6.3

Notes: Rainwater collected for 24 hrs in a beaker = 5.1 pH

Reference: 1. Standard Methods For The Examination of Water And Wastewater, 1998, 20th Edition, Section 4500-H^+B page 4-87.

DEI 13 Aug 2003

N:\ENVIRONMENTAL\FACLAB\DIANNES\STORM WATER\PHB.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	11.1.05	
			North 05-99	East 05-101	South 05-100
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:	11.1.05	
			North 05-99	East 05-101	South 05-100
Total Copper	0.1	mg/L	<0.03	<0.03	<0.03
Total Lead	0.4	mg/L	<0.0052	<0.0052	<0.0052
Total Zinc	0.6	mg/L	0.06	0.08	0.1
PH	5.5-9	Su	6.0	6.1	6.3
TSS	130	mg/L	4.75	6	10.5
Oil and Grease	10	mg/L	<3.0	<3.0	<3.0

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
907.563.9200 fax 907.563.9210

April 30, 2006

RECEIVED MAY 3 2006
SJR

Thomas Rothschild
Siltronic
7200 N.W. Front Ave
Portland, OR 97210

RE: Storm Water

Enclosed are the results of analyses for samples received by the laboratory on 04/10/06 16:00.
The following list is a summary of the NCA Work Orders contained in this report.
If you have any questions concerning this report, please feel free to contact me.

Work	Project	ProjectNumber
PPD0384	Storm Water	Spring 2006/22-24/PO# 450

Thank You,

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian L Cone

Brian Cone, Industrial Services Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name:	**Storm Water**	
7200 N.W. Front Ave	Project Number:	Spring 2006/22-24/PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	04/30/06 18:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
06-22-SW-N	PPD0384-01	Water	04/10/06 08:00	04/10/06 16:00
06-23-SW-E	PPD0384-02	Water	04/10/06 08:15	04/10/06 16:00
06-24-SW-S	PPD0384-03	Water	04/10/06 07:45	04/10/06 16:00

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

SCOEPA00024697

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name:	Storm Water	
7200 N.W. Front Ave	Project Number:	Spring 2006/22-24/PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	04/30/06 18:00

Total Metals per EPA 200 Series Methods

North Creek Analytical - Portland

Analyte		Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PPD0384-01	Water	06-22-SW-N	Sampled: 04/10/06 08:00								
Copper		EPA 200.8	0.00480	-----	0.00200	mg/l	1x	6040691	04/14/06	04/26/06 09:22	
Lead		"	ND	-----	0.00100	"	"	"	"	04/16/06 23:59	
Zinc		"	0.0887	-----	0.00500	"	"	"	"	04/26/06 09:22	
PPD0384-02	Water	06-23-SW-E	Sampled: 04/10/06 08:15								
Copper		EPA 200.8	0.00813	-----	0.00200	mg/l	1x	6040691	04/14/06	04/26/06 09:38	
Lead		"	ND	-----	0.00100	"	"	"	"	04/17/06 00:07	
Zinc		"	0.156	-----	0.00500	"	"	"	"	04/26/06 09:38	
PPD0384-03	Water	06-24-SW-S	Sampled: 04/10/06 07:45								
Copper		EPA 200.8	0.00505	-----	0.00200	mg/l	1x	6040691	04/14/06	04/26/06 09:54	
Lead		"	0.00106	-----	0.00100	"	"	"	"	04/17/06 00:29	
Zinc		"	0.117	-----	0.00500	"	"	"	"	04/26/06 09:54	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

SCOEPA00024698

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name:	Storm Water	
7200 N.W. Front Ave	Project Number:	Spring 2006/22-24/PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	04/30/06 18:00

Conventional Chemistry Parameters by APHA/EPA Methods

North Creek Analytical - Bothell

Analyte		Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
PD0384-01	**Water**	**06-22-SW-N**		**Sampled: 04/10/06 08:00**							
il & Grease (HEM)		EPA 1664A	ND	-----	4.81	mg/l	1x	6D18011	04/18/06	04/19/06 16:54	
otal Petroleum Hydrocarbons (GT-HEM)		"	ND	-----	4.81	"	"	"	"	"	
PD0384-02	**Water**	**06-23-SW-E**		**Sampled: 04/10/06 08:15**							
il & Grease (HEM)		EPA 1664A	ND	-----	4.81	mg/l	1x	6D18011	04/18/06	04/19/06 16:54	
otal Petroleum Hydrocarbons (GT-HEM)		"	ND	-----	4.81	"	"	"	"	"	
PD0384-03	**Water**	**06-24-SW-S**		**Sampled: 04/10/06 07:45**							
il & Grease (HEM)		EPA 1664A	ND	-----	4.81	mg/l	1x	6D18011	04/18/06	04/19/06 16:54	
otal Petroleum Hydrocarbons (GT-HEM)		"	ND	-----	4.81	"	"	"	"	"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

rian Cone, Industrial Services Manager

SCOEPA00024699

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name: Storm Water	
7200 N.W. Front Ave	Project Number: Spring 2006/22-24/PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager: Thomas Rothschild	04/30/06 18:00

Total Metals per EPA 200 Series Methods - Laboratory Quality Control Results

North Creek Analytical - Portland

QC Batch: 6040691 Water Preparation Method: EPA 200/3005

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6040691-BLK1)								Extracted: 04/14/06 15:23						
Copper	EPA 200.8	ND	---	0.00200	mg/l	1x	--	--	--	--	--	--	04/26/06 04:19	
Lead	"	ND	---	0.00100	"	"	--	--	--	--	--	--	04/16/06 21:33	
Zinc	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
Blank (6040691-BLK2)								Extracted: 04/14/06 15:23						
Lead	EPA 200.8	ND	---	0.00100	mg/l	1x	--	--	--	--	--	--	04/26/06 04:19	
Zinc	"	ND	---	0.00500	"	"	--	--	--	--	--	--	"	
LCS (6040691-BS1)								Extracted: 04/14/06 15:23						
Copper	EPA 200.8	0.103	---	0.00200	mg/l	1x	--	0.100	103%	(85-115)	--	--	04/26/06 04:35	
Lead	"	0.104	---	0.00100	"	"	--	"	104%	"	--	--	04/16/06 21:41	
Zinc	"	0.0904	---	0.00500	"	"	--	"	90.4%	"	--	--	"	
LCS (6040691-BS2)								Extracted: 04/14/06 15:23						
Lead	EPA 200.8	0.101	---	0.00100	mg/l	1x	--	0.100	101%	(85-115)	--	--	04/26/06 04:35	
Zinc	"	0.0940	---	0.00500	"	"	--	"	94.0%	"	--	--	"	
Duplicate (6040691-DUP1)				QC Source: PPD0321-01				Extracted: 04/14/06 15:23						
Copper	EPA 200.8	0.144	---	0.00200	mg/l	1x	0.144	--	--	--	0.00%	(20)	04/26/06 05:23	
Lead	"	0.0181	---	0.00100	"	"	0.0182	--	--	--	0.551%	"	04/16/06 22:04	
Zinc	"	0.320	---	0.00500	"	"	0.325	--	--	--	1.55%	"	"	
Matrix Spike (6040691-MS1)				QC Source: PPD0321-01				Extracted: 04/14/06 15:23						
Copper	EPA 200.8	0.239	---	0.00200	mg/l	1x	0.144	0.100	95.0%	(75-125)	--	--	04/26/06 05:39	
Lead	"	0.120	---	0.00100	"	"	0.0182	"	102%	"	--	--	04/16/06 22:20	
Zinc	"	0.420	---	0.00500	"	"	0.325	"	95.0%	(70-130)	--	--	"	
Matrix Spike (6040691-MS2)				QC Source: PPD0380-01				Extracted: 04/14/06 15:23						
Copper	EPA 200.8	0.276	---	0.0200	mg/l	10x	0.181	0.100	95.0%	(75-125)	--	--	04/26/06 10:58	
Lead	"	0.167	---	0.0100	"	"	0.0831	"	83.9%	"	--	--	04/27/06 06:01	
Zinc	"	2.08	---	0.0500	"	"	1.95	"	130%	(70-130)	--	--	04/26/06 10:58	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian L Cone

Brian Cone, Industrial Services Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

SCOEPA00024700

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name:	Storm Water	
7200 N.W. Front Ave	Project Number:	Spring 2006/22-24/PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	04/30/06 18:00

Conventional Chemistry Parameters by APHA/EPA Methods - Laboratory Quality Control Results

North Creek Analytical - Bothell

QC Batch: 6D18011 Water Preparation Method: Gravimetric (hexane)

Analyte	Method	Result	MDL*	MRL	Units	Dil	Source Result	Spike Amt	% REC	(Limits)	% RPD	(Limits)	Analyzed	Notes
Blank (6D18011-BLK1)								Extracted: 04/18/06 08:46						
Oil & Grease (HEM)	EPA 1664A	ND	---	5.00	mg/l	1x	--	--	--	--	--	--	04/19/06 16:54	
Total Petroleum Hydrocarbons (SGT-HEM)	"	ND	---	5.00	"	"	--	--	--	--	--	--	"	
LCS (6D18011-BS1)								Extracted: 04/18/06 08:46						
Oil & Grease (HEM)	EPA 1664A	35.7	---	5.00	mg/l	1x	--	40.0	89.2%	(78-114)	--	--	04/19/06 16:54	
Total Petroleum Hydrocarbons (SGT-HEM)	"	15.1	---	5.00	"	"	--	20.0	75.5%	(64-132)	--	--	"	
LCS Dup (6D18011-BSD1)								Extracted: 04/18/06 08:46						
Oil & Grease (HEM)	EPA 1664A	35.9	---	5.00	mg/l	1x	--	40.0	89.8%	(78-114)	0.559%	(18)	04/19/06 16:54	
Total Petroleum Hydrocarbons (SGT-HEM)	"	13.8	---	5.00	"	"	--	20.0	69.0%	(64-132)	9.00%	(34)	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

SCOEPA00024701

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name:	Storm Water	
7200 N.W. Front Ave	Project Number:	Spring 2006/22-24/PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	04/30/06 18:00

Notes and Definitions

Report Specific Notes:

None

Laboratory Reporting Conventions:

DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.

ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).

NR / NA - Not Reported / Not Available

dry - Sample results reported on a dry weight basis. Reporting Limits have been corrected for %Solids.

wet - Sample results and reporting limits reported on a wet weight basis (as received).

RPD - Relative Percent Difference. (RPDs calculated using Results, not Percent Recoveries).

MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.

* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated results.

Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.

Reporting limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian L Cone

in Cone, Industrial Services Manager

SCOEPA00024702

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-
11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PPD0384

NCA CLIENT: Siltronic

REPORT TO: Tom Rothschild

ADDRESS: 7200 NW Front Ave
Portland, Oregon

PHONE: 503-219-7374 FAX: 503-219-4144

PROJECT NAME: Storm Water-Spring '06

PROJECT NUMBER: 22~24

SAMPLED BY: Tom Rothschild
Paul Wittke

INVOICE TO: Accts Payable

P.O. NUMBER: 4500186654

TURNAROUND REQUEST
in Business Days *
Organic & Inorganic Analyses: [X] STD [7] [5] [4] [3] [2] [1] [<1]
Petroleum Hydrocarbon Analyses: [X] STD [4] [3] [2] [1] [<1]
[OTHER] Specify:
* Turnaround Requests less than standard may incur Rush Charges.

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PRESERVATIVE	REQUESTED ANALYSES: Oil/Grease (1664)	REQUESTED ANALYSES: Cu, Pb, Zn (200.8)	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	06-22-SW-N	4/10/06 0800		X	X	W	2		
2	06-23-SW-E	4/10/06 0815		X	X	W	2		
3	06-24-SW-S	4/10/06 0745		X	X	W	2		
4									
5									
6									
7									
8									
9									
10									

RELEASED BY: Dianne Irish		DATE: 4.10.06	RECEIVED BY:		DATE: 4/10/06
PRINT NAME: Dianne Irish	FIRM: Siltronic	TIME:	PRINT NAME: Bob E	FIRM: NCA	TIME: 15:25
RELEASED BY:		DATE:	RECEIVED BY:		DATE: lab 16:00
PRINT NAME:	FIRM:	TIME:	PRINT NAME:	FIRM:	TIME:

ADDITIONAL REMARKS:

TEMP: 4.5

COC REV 09/04

PAGE OF

SCOEPA00024703

Non-Conformances?
Circle Y or N
(If Y, see other side)

TEST AMERICA SAMPLE RECEIPT CHECKLIST

Received By: (applies to temp at receipt)
Date: 4/10/06
Time: 15 25
Initials: [illegible]

Logged-in By:
Date: 4 10 06
Initials: [illegible]

Unpacked/Labeled By:
Date: 4 10 06
Initials: [illegible]

Cooler ID: ____ (____ of ____)
Work Order No PPD0384
Client: Siltronix
Project: Stormwater - Spring '06

Container Type:
1 Cooler
____ Box
____ None/Other ____

COC Seals
____ Ship. Container ____ Sign By
____ On Bottles ____ Date
X None

Packing Material
____ Bubble Bags ____ Styrofoam
____ Foam Packs
____ None/Other Other ____

Refrigerant
____ Gel Ice Pack ____ ____ None
X Loose Ice
____ None/Other ____

Received Via. Bill#
____ Fed Ex ____ Client
____ UPS X NCA Courier BOB
____ DHL ____ Mid Valley
____ Senvoy ____ TDP
____ GS ____ Other ____

Cooler Temperature (IR): 43 °C Plastic Glass (circle one) (Frozen filters, Tedlars and aqueous Metals exempt)

Temperature Blank? ____ °C or NA
Trip Blank? Y or N or NA

Sample Containers:

		ID
Intact?	Y or N	
Provided by NCA?	Y or N	
Correct Type?	Y or N	
#Containers match COC?	Y or N	
IDs/time/date match COC?	Y or N	
Hold Times in hold?	Y or N	

		ID
Metals Preserved?	Y or N or NA	
Client QAPP Preserved?	Y or N or NA	
Adequate Volume? (for tests requested)	Y or N	
Water VOAs: Headspace?	Y or N or NA	

Comments: ____

PROJECT MANAGEMENT

Is the Chain of Custody complete? Y or N If N, circle the items that were incomplete

Comments Problems ____

Total access set up? Y or N
Has client been contacted regarding non-conformances? Y or N If Y, ____ / ____ Date Time

Pl[illegible]ials ____ Date ____ Time ____

(rev 0 09/12/05)

SCOEPA00024704

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 4.10.06 Oven Temp: 103 C Analyst: Di

Date In: 4.10.06 Time In/Out: 1000 / 1315

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	N/A	0.0907	0.0907	
2	North	500	0.0922	0.0909	2.6
3	North	500	0.0928	0.0915	2.6
				North Average TSS	2.6
4	East	500	0.0970	0.0921	9.8
5	East	500	0.0962	0.0909	10.6
				East Average TSS	10.2
6	South	500	0.0935	0.0914	4.2
7	South	500	0.0939	0.0920	3.8
				South Average TSS	4.0

Notes: see back for TSS Pads.

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, mg - Tare Wt, mg) X 1000}}{\text{Volume of Sample, ml}}$

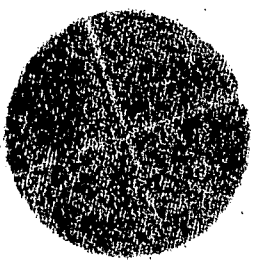
Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 12 Nov 2003 Revised

N:\Environmental\FACLAB\DIANNES\storm water\TSSSWB.DOC

North



East

South

BENCHSHEET

pH

Test Date: 4.10.06 Sample Date: 4.10.06 Analyst: DI

Slope: 99.3 (Range: 92 to 102%)

Standards:

4.0 mg/L: Lot #: 1407303 Date Opened: 3/28/05

7.0 mg/L: Lot #: 1504752 Date Opened: 11/01/05

10.0 mg/L: Lot #: 1506586 Date Opened: 4/6/06

Sample	pH Units
North	5.76
East	6.31
South	6.49

Notes: _____

Reference: 1. Standard Methods For The Examination of Water And Wastewater, 1998, 20th Edition, Section 4500-H^+B page 4-87.

DEI 13 Aug 2003

N:\ENVIRONMENTAL\FACLAB\DIANNES\STORM WATER\PHB.DOC

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

PARAMETER	BENCHMARK[1]	UM	DATE:	4.10.06	D1
			North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

PARAMETER	BENCHMARK[1]	UM	DATE:		
			North	East	South
Total Copper	0.1	mg/L	0.00480	0.00813	0.00505
Total Lead	0.4	mg/L	<0.001	<0.001	0.00106
Total Zinc	0.6	mg/L	0.0887	0.156	0.117
PH	5.5-9	Su	5.76	6.31	6.49
TSS	130	mg/L	2.6	10.2	4.0
Oil and Grease	10	mg/L	<4.81	<4.81	<4.81

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Jim Claxton in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Jim Claxton.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 026.KLL

2006-June-09

MAY 2006 Industrial Discharge Report

Dear Mr. Dean,

Enclosed are the May 2006 monthly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosures:
Special Account Meter Report Document
Industrial Wastewater Discharge Self-Monitoring Report

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 June 2006

SAMPLING PERIOD: May 2006

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE		pH METER BRAND			pH METER MODEL		pH Discharge Limits
#1B (Fab 2)		Orion			720A		5.0 - 11.5 S.U.
Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration		COMMENTS
					Date	Buffer used	
25 May 2006	1300	10.4	YES	(NO)	25 May 2006	7.0 and 10.0	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
May 2006		No Excursions		YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Gaul for Siltronics Date: 6/12/06

N:\Environmental\FACLAB\WWTP\BES Monthly Reports\Monthly\May 2006.doc

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

May-06

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	17,071	100s of GALLONS)
CURRENT READING	109367	209,979	100s of GALLONS)
CONSUMPTION	0	192,908	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,929,080		10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,929,080	* 10 GAL / 7.48 GAL/CF =	2,578,984	CF
TOTAL THROUGH OVERFLOW	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,578,984	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,879,286	(10s of GALLONS)
CURRENT READING	1,929,337	(10s of GALLONS)
CONSUMPTION	50,051	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	50,051	* 10 GAL / 7.48 GAL/CF=	66,913	CF

This meter reading was reported by: C. Justin Darr on 6/6/06
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024711

ER: 022. KLL

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-18)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	4	1	TO	2006	4	30
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(3 Card Only) QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	QUALITY OR CONCENTRATION (46-53) AVERAGE	QUALITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,477	3,733	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	16.2	21.1	Kg/day	--	4.6	6.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	10.2	12.1	Kg/day	--	2.9	3.5	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	0.006	0.018	Kg/day	--	0.002	0.005	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	24.1	27.0	Kg/day	--	6.8	7.6	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.3	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 06 MO 5 DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
Chrome batches are no longer being treated on site. pH Excursion: none

SCOEPA00024712

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) 101128 PERMIT NUMBER	(17-18) Outfall 001 DISCHARGE NUMBER

MONITORING PERIOD

	YEAR (30-31)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2006	4	1	TO	2006	4	30

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(51-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01 ✓	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					6.2 ✓	14.4 ✓	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 [illegible]

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 5 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024713

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 002

MONITORING PERIOD

	YEAR (30-31)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2006	4	1	TO	2006	4	30

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	149	742	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.3	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1 001 AND 33 USC 1319 [illegible]

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 5 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024714

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-18)
101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	4	1	TO	2006	4	30
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(51-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,626 ✓	4,236 ✓	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	75.0 ✓	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.23 ✓	7.51 ✓	8.61 ✓			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years).

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 5 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024715

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 021.KLL

2006-May-08

April 2006 Industrial Discharge Report

Dear Mr. Dean,

Enclosed are the April 2006 monthly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosures:
Special Account Meter Report Document
Industrial Wastewater Discharge Self-Monitoring Report

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 May 2006

SAMPLING PERIOD: April 2006

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE		pH METER BRAND			pH METER MODEL		pH Discharge Limits
#1B (Fab 2)		Orion			720A		5.0 - 11.5 S.U.
Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration		COMMENTS
					Date	Buffer used	
13 Apr 2006	1240	10.3 SU	YES	NO	13 Apr 2006	7.0 and 10.0	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
April 2006		No Excursions		YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Said for Siltronic Date: 5/9/2006

C:\temp\April 2006.doc

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

April-06

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	834,222	100s of GALLONS)
CURRENT READING	109367	17,071	100s of GALLONS)
CONSUMPTION	0	182,849	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,828,490		10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,828,490	* 10 GAL / 7.48 GAL/CF =	2,444,505	CF
TOTAL THROUGH OVERFLOV	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,444,505	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,836,616	(10s of GALLONS)
CURRENT READING	1,879,286	(10s of GALLONS)
CONSUMPTION	42,670	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	42,670	* 10 GAL / 7.48 GAL/CF=	57,045	CF

This meter reading was reported by: C. Justin Darr on 5/1/06
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024718

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 April 2006

SAMPLING PERIOD: March 2006

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE		pH METER BRAND			pH METER MODEL		pH Discharge Limits
#1B (Fab 2)		Orion			720A		5.0 - 11.5 S.U.
Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration		COMMENTS
					Date	Buffer used	
24 Mar 2006	1000	10.7 SU	YES	NO	24 Mar 2006	7 and 10	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No Excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: 4/7/06

ER 017

C:\temp\March 2006 (3).doc

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 April 2006

SAMPLING PERIOD: March 2006

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	GRAB

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
TTOs (Volatiles)	EPA8260B	<0.05 mg/L	0.05	1.37 mg/L	N/A	SEE CERTIFICATION STATEMENT BELOW

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	COMPOSITE

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
Arsenic (Total)	EPA 200.8	0.002 mg/L	0.001 mg/L	0.2 mg/L	0.83 mg/L	
Total Suspended Solids	SM 2540D	89 mg/L	0.1 mg/L	N/A	N/A	

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to the control authority.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: 4/7/06

ER017

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 3/3/06 Oven Temp: 103 C Analyst: DI

Date In: 3/3/06 Time In/Out: 0955 / 1115

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0907	0.0907	
2	CE	500	0.0915	0.0898	3.4
5	CE	500	0.0909	0.0890	3.8
				Average CE TSS	3.6
6	OWW	100	0.0985	0.0891	94
10	OWW	100	0.1012	0.0914	98
				Average OWW TSS	96
				Average TSS	
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 19 Oct 2005 Revised

SCOEPA00024721

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 3-9-06 Oven Temp: 103 C Analyst: DI

Date In: 3-9-06 Time In/Out: 0910 / 1315

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0907	0.0907	
5	CE	500	0.0914	0.0903	2.2
6	CE	500	0.0901	0.0891	2.0
				Average CE TSS	2.1
7	OWW	100	0.0961	0.0906	55
8	OWW	100	0.0948	0.0889	59
				Average OWW TSS	57
				Average TSS	
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 19 Oct 2005 Revised

SCOEPA00024722

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 3-16-06 Oven Temp: 103 C Analyst: DI

Date In: 3-16-06 Time In/Out: 0952 / 1345

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0908	0.0908	0
5	CE	500	0.0912	0.0899	2.6
6	CE	500	0.0920	0.0908	2.4
				Average CE TSS	2.5
7	OWW	100	0.0956	0.0903	53
8	OWW	100	0.0958	0.0903	55
				Average OWW TSS	54
				Average TSS	
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 19 Oct 2005 Revised

SCOEPA00024723

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 3-23-06 Oven Temp: 103 C Analyst: DI

Date In: 3-23-06 Time In/Out: 0945 / 1345

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0907	0.0907	
5	CE	500	0.0923	0.0917	1.2
6	CE	500	0.0903	0.0895	1.6
				Average CE TSS	1.4
7	OWW	100	0.1057	0.0899	158
8	OWW	100	0.1055	0.0890	165
				Average OWW TSS	161.5
				Average TSS	
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 19 Oct 2005 Revised

SCOEPA00024724

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 3.30.06 Oven Temp: 104 C Analyst: DI

Date In: 3.30.06 Time In/Out: 0900 / 1320

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0907	0.0907	
5	CE	500	0.0935	0.0925	2
6	CE	500	0.0912	0.0902	2
				Average CE TSS	2
7	OWW	100	0.0968	0.0890	78
8	OWW	100	0.0982	0.0905	77
				Average OWW TSS	76
				Average TSS	
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 19 Oct 2005 Revised

N:\Environmental\FACLAB\WWTP\BENCH\TSSB.DOC

nca

11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210
11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210 X
20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: PCC0092

NCA CLIENT: Siltronic
REPORT TO: Tom Rothschild
ADDRESS: 7200 N.W. Front Ave Portland, OR
PHONE: 503 219-7374 FAX: 503-219-4144

INVOICE TO: Accts Payable
P.O. NUMBER: 4500186654

PROJECT NAME: Montly
PROJECT NUMBER: 13-16
SAMPLED BY: Dianne Irish

TURNAROUND REQUEST
In Business Days *
Organic & Inorganic Analyses: X (STD.) 7 5 4 3 2 1 <1
Petroleum Hydrocarbon Analyses: 5 (STD.) 4 3 2 1 <1
OTHER Specify:
* Turnaround Requests less than standard may incur Rush Charges.

PRESERVATIVE

REQUESTED ANALYSES

	CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	BOD	Cr(T)	8260	8270	IPA	1,2,Diphenylhydrazine	As(T)							MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1	06-13-CE-C	3/2/06 0615	X	X												WW	2		
2	06-14-CE-g	3/2/06 0615			X	X		X								WW	4		
3	06-15-OWW-C	3/2/06 0615							X							WW	1		
4	06-16-OWW-g	3/2/06 0615			X		X									WW	3		
5																			
6																			
7																			
8																			
9																			
10																			

RELEASED BY: Dianne Irish DATE: 3-2-06
PRINT NAME: Dianne Irish FIRM: Siltronic TIME: 12:38

RECEIVED BY: [signature] DATE: 3/2/06
PRINT NAME: Bob K FIRM: NA TIME: 12:38

RELEASED BY: DATE:
PRINT NAME: FIRM: TIME:

RECEIVED BY: DATE: 1ob 14:55
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:

TEMP: 5.2

COC REV 09/04

PAGE OF

SCOEPA00024726

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name:	**Monthly**	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	03/16/06 15:15

Selected Volatile Organic Compounds per EPA Method 8260B

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P6C0092-02 Water	06-14-CE-g	**Sampled: 03/02/06 06:15**								
Trichlorofluoromethane	EPA 8260B	ND	-----	1.00	ug/l	1x	6030231	03/07/06	03/07/06 11:42	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
Vinyl Acetate	"	ND	-----	25.0	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
Xylenes (total)	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): 4-BFB	*Recovery: 82.0%*		*Limits: 80 - 120 %*		"				"	
1,2-DCA-d4	*110%*		*80 - 120 %*		"				"	
Dibromofluoromethane	*108%*		*80 - 120 %*		"				"	
Toluene-d8	*93.0%*		*80 - 120 %*		"				"	
P6C0092-04 Water	06-16-OWW-g	**Sampled: 03/02/06 06:15**								
Acetone	EPA 8260B	175	-----	25.0	ug/l	1x	6030231	03/07/06	03/07/06 17:08	
Acrolein	"	ND	-----	50.0	"	"	"	"	"	
Acrylonitrile	"	ND	-----	10.0	"	"	"	"	"	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
[illegible]nodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
[illegible]moform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone	"	ND	-----	25.0	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	2.00	"	"	"	"	"	
Chlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	**2.24**	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
trans-1,4-Dichloro-2-butene	"	ND	-----	10.0	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
Ethyl Methacrylate	"	ND	-----	5.00	"	"	"	"	"	
Ethylbenzene	"	ND	-----	1.00	"	"	"	"	"	

[illegible] Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian L Cone

Brian Cone, Industrial Services Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

SCOEPA00024727

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name: Monthly	
7200 N.W. Front Ave	Project Number: PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager: Thomas Rothschild	03/16/06 15:15

Selected Volatile Organic Compounds per EPA Method 8260B

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P6C0092-04 Water	**06-16-OWW-g**	**Sampled: 03/02/06 06:15**								
2-Hexanone	EPA 8260B	ND	-----	10.0	ug/l	1x	6030231	03/07/06	03/07/06 17:08	
Iodomethane	"	ND	-----	25.0	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
Vinyl Acetate	"	ND	-----	25.0	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
Xylenes (total)	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): 4-BFB		*Recovery: 85.0%*		*Limits: 80 - 120 %*		"			"	
1,2-DCA-d4		*119%*		*80 - 120 %*		"			"	
Dibromofluoromethane		*106%*		*80 - 120 %*		"			"	
Toluene-d8		*100%*		*80 - 120 %*		"			"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

SCOEPA00024728

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name: Monthly	
7200 N.W. Front Ave	Project Number: PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager: Thomas Rothschild	03/16/06 15:15

Total Metals per EPA 200 Series Methods

North Creek Analytical - Portland

Analyte		Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P6C0092-01	**Water**	**06-13-CE-C**		**Sampled: 03/02/06 06:15**							
Chromium		EPA 200.8	ND	-----	0.00100	mg/l	1x	6030336	03/08/06	03/16/06 04:45	
P6C0092-03	**Water**	**06-15-OWW-C**		**Sampled: 03/02/06 06:15**							
Arsenic		EPA 200.8	**0.00162**	-----	0.00100	mg/l	1x	6030336	03/08/06	03/16/06 05:01	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024729

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane 11922 East 1st Avenue, Spokane Valley, WA 99206-5302
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name: Monthly	
7200 N.W. Front Ave	Project Number: PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager: Thomas Rothschild	03/16/06 15:15

General Gas Chromatography Analysis

Columbia Inspection, Inc.

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P6C0092-04 Water	**06-16-OWW-g**	**Sampled: 03/02/06 06:15**								
ISOPROPANOL	EPA 8015M	ND	-----	1.0	mg/L	1x	6C06007	03/06/06	03/06/06 13:35	
Surrogate(s): ETHYL ACETATE		*Recovery: 99.0%*		*Limits: 50 - 150 %*		"			"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

March-06

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	634,976	100s of GALLONS)
CURRENT READING	109367	834,222	100s of GALLONS)
CONSUMPTION	0	199,246	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,992,460	(10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,992,460	* 10 GAL / 7.48 GAL/CF =	2,663,717	CF
TOTAL THROUGH OVERFL(	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,663,717	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,789,578	(10s of GALLONS)
CURRENT READING	1,836,616	(10s of GALLONS)
CONSUMPTION	47,038	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	47,038	* 10 GAL / 7.48 GAL/CF=	62,885	CF

This meter reading was reported by: C. Justin Darr on 4/3/06 date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024731

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Silt[illegible] Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-00[illegible]
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	3	1	TO	2006	3	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste	SAMPLE MEASUREMENT	3,428	3,733	M^3/day	--	--	--	--		Continuous	
Water Flow	PERMIT REQUIREMENT	--	--		--	--	--			totalizing recorder	
BOD	SAMPLE MEASUREMENT	12.8	20.3	Kg/day	--	3.7	5.7	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	7.9	11.4	Kg/day	--	2.3	3.6	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	Kg/day	--	<0.001	<0.001	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	26.1	27.9	Kg/day	--	7.6	8.3	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.1	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1 1001 AND 33 USC 1 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:
J Claston
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	06	4	6
AREA CODE	NUMBER	YEAR	MO	DAY

ER016

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chrome batches are no longer being treated on site. pH Excursion: none

SCOEPA00024732

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

FROM YEAR (20-21)	MO (22-23)	DAY (24-25)	TO YEAR (26-27)	MO (28-29)	DAY (30-31)
2006	3	1	2006	3	31

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE (54-61)	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					4.9	14.7	NTC		6/1	Grab
	PERMIT REQUIREMENT								One sample every 4 hours		
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years).

Siltronic Corp. by:

J. Clayton

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 4 | DAY 6

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024733

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Silt[illegible] Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	3	1	TO	2006	3	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	125	246	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:

J. Claxton

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	06	4	6
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024734

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16): 101128 — PERMIT NUMBER
(17-19): Outfall 003 — DISCHARGE NUMBER

MONITORING PERIOD
FROM: YEAR 2006 (20-21) MO 3 (22-23) DAY 1 (24-25)
TO: YEAR 2006 (26-27) MO 3 (28-29) DAY 31 (30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,553	3,922	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	74.0	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.06	7.53	8.61			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. [illegible]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 4 | DAY 6

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024735

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-18) DISCHARGE NUMBER
101126	Outfall 001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	2	1	TO	2006	2	28
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,482	4,471	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	17.8	31.3	Kg/day	--	5.1	9.3	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	11.6	18.2	Kg/day	--	3.3	5.2	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	Kg/day	--	<0.001	<0.001	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	24.7	30.4	Kg/day	--	7.0	8.7	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.1	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years.

Siltronic Corp by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 3 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chrome batches are no longer being treated on site. pH Excursion: none

ER:013

SCOEPA00024736

PERMITTEE NAME/ADDRESS (Include Facility Name/Location If Different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
101128	Outfall 001

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2006	2	1	TO	2006	2	28

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(46-53) MAXIMUM	(46-53) UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(38-45) AVERAGE	(38-45) MAXIMUM	(38-45) UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					4.2	8.3	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years).

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 3 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024737

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	2	1	TO	2006	2	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(46-53) MAXIMUM	(54-61) UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	123	356	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.3	0.4	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 3 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024738

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-18) DISCHARGE NUMBER
101128	Outfall 003

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	2	1	TO	2006	2	28
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,605	4,584	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	73.8	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.37	7.41	7.95			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years)

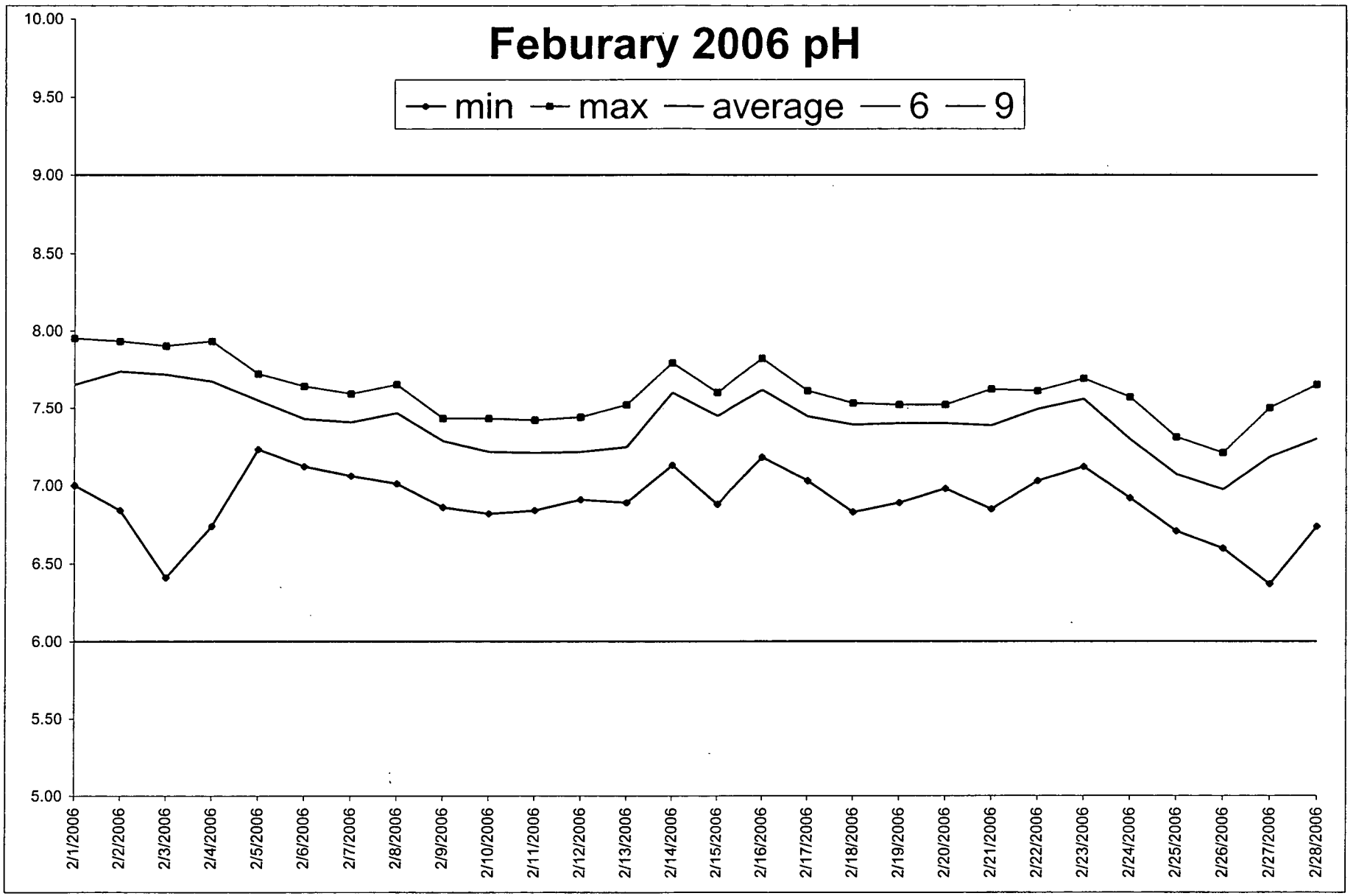
Siltronic Corp. by:
J. Clayton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

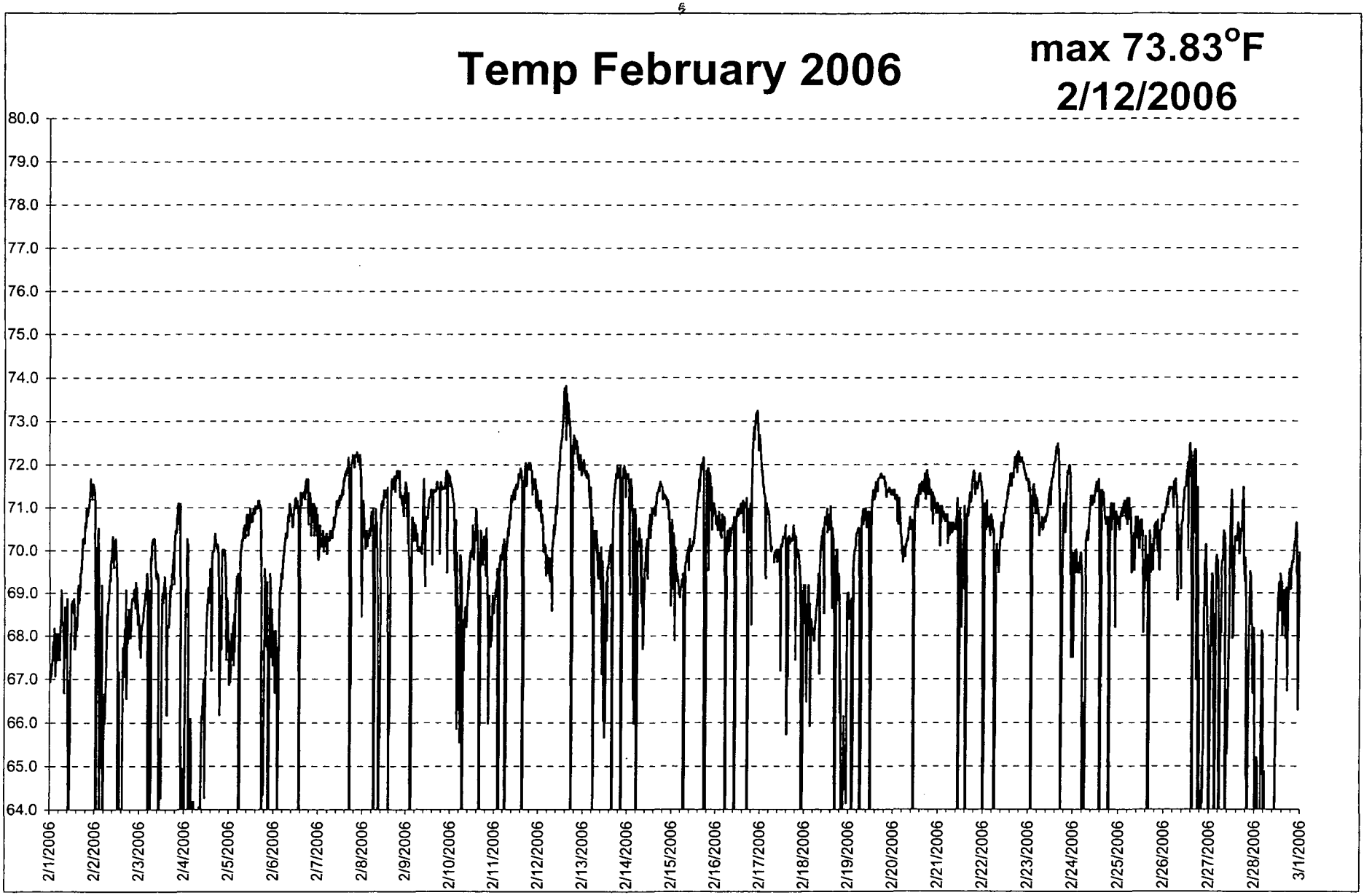
TELEPHONE: 503 (AREA CODE) 243-2020 (NUMBER)

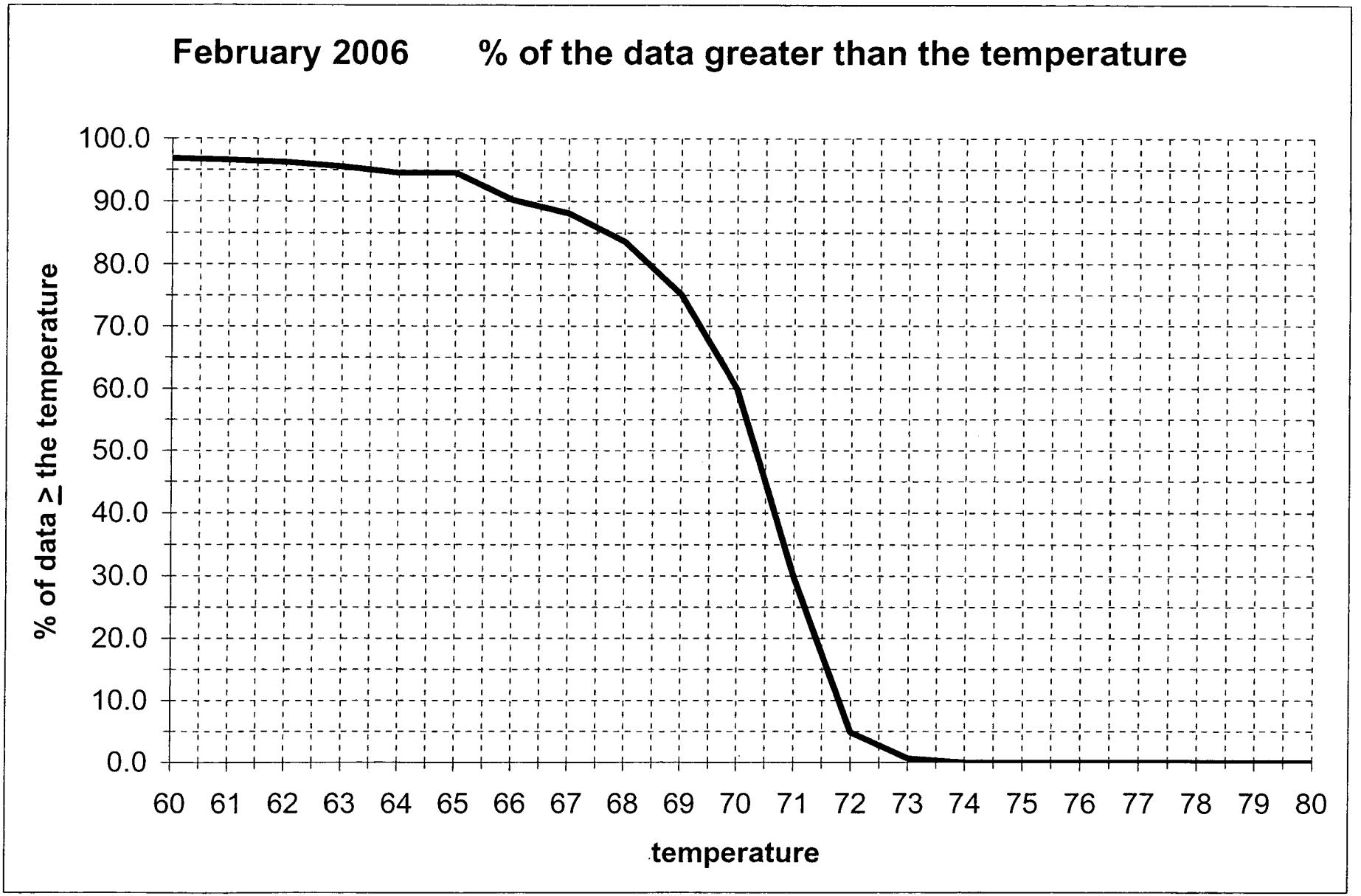
DATE: 06 (YEAR) 3 (MO) 7 (DAY)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

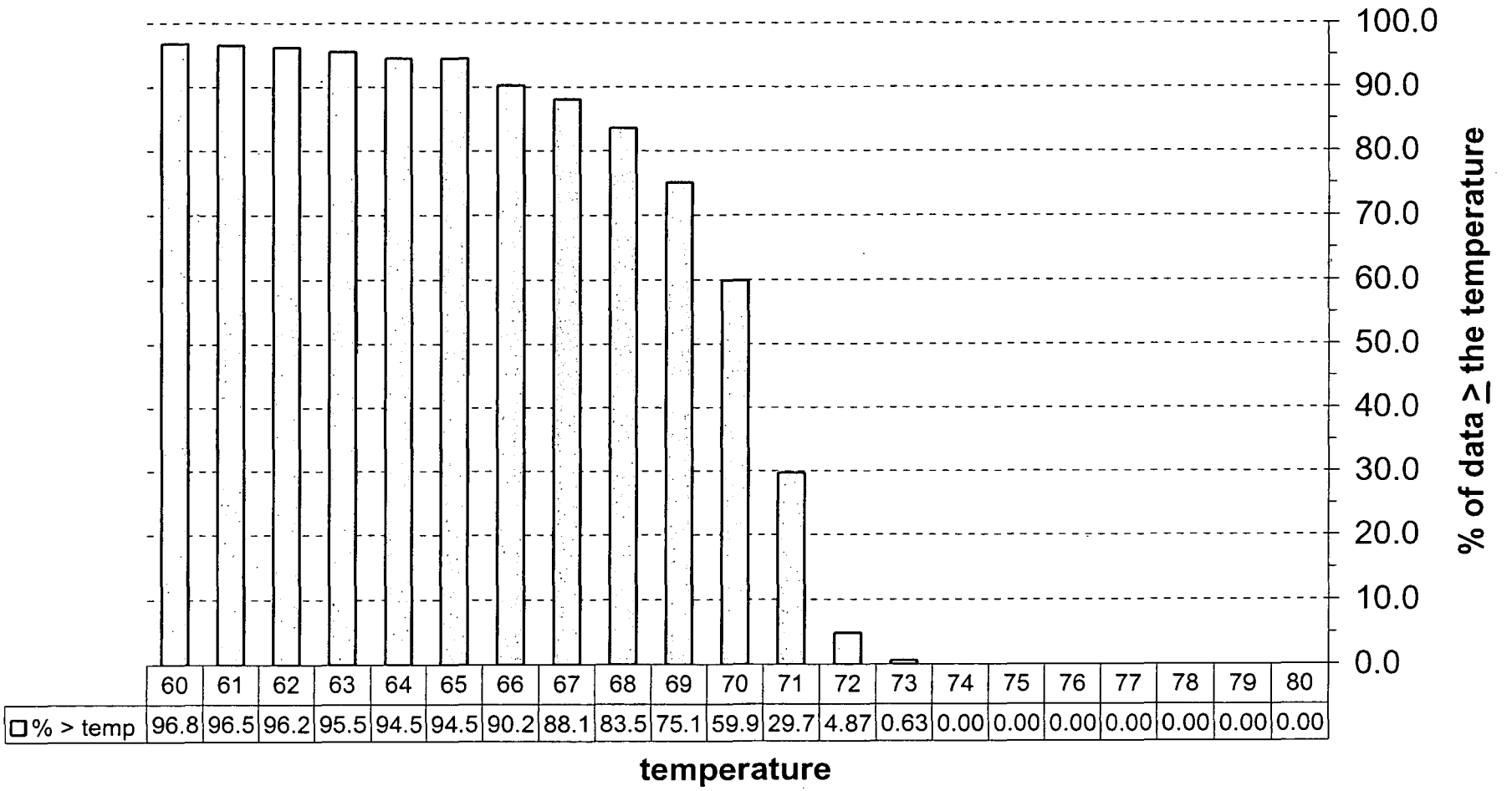
SCOEPA00024739


Feburary 2006 pH
min
max
average
6
9
10.00
9.50
9.00
8.50
8.00
7.50
7.00
6.50
6.00
5.50
5.00
2/1/2006
2/2/2006
2/3/2006
2/4/2006
2/5/2006
2/6/2006
2/7/2006
2/8/2006
2/9/2006
2/10/2006
2/11/2006
2/12/2006
2/13/2006
2/14/2006
2/15/2006
2/16/2006
2/17/2006
2/18/2006
2/19/2006
2/20/2006
2/21/2006
2/22/2006
2/23/2006
2/24/2006
2/25/2006
2/26/2006
2/27/2006
2/28/2006


Temp February 2006
max 73.83°F
2/12/2006
80.0
79.0
78.0
77.0
76.0
75.0
74.0
73.0
72.0
71.0
70.0
69.0
68.0
67.0
66.0
65.0
64.0
2/1/2006
2/2/2006
2/3/2006
2/4/2006
2/5/2006
2/6/2006
2/7/2006
2/8/2006
2/9/2006
2/10/2006
2/11/2006
2/12/2006
2/13/2006
2/14/2006
2/15/2006
2/16/2006
2/17/2006
2/18/2006
2/19/2006
2/20/2006
2/21/2006
2/22/2006
2/23/2006
2/24/2006
2/25/2006
2/26/2006
2/27/2006
2/28/2006
3/1/2006


February 2006 % of the data greater than the temperature
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
% of data ≥ the temperature
60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
temperature

February 2006 % of data greater than the temperature



	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
% > temp	96.8	96.5	96.2	95.5	94.5	94.5	90.2	88.1	83.5	75.1	59.9	29.7	4.87	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 012.JWC

2006-March-7

February 2006 Industrial Discharge Report

Dear Mr. Dean,

Enclosed are the February 2006 monthly and quarterly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR February Report
Special Account Meter Report Document

cc: Tom Rothschild
POTW-IDR File

SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

Feb-06

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	464,883	100s of GALLONS)
CURRENT READING	109367	634,976	100s of GALLONS)
CONSUMPTION	0	170,093	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,700,930		10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,700,930	* 10 GAL / 7.48 GAL/CF =	2,273,971	CF
TOTAL THROUGH OVERFLOW LINE	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,273,971	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,745,746	(10s of GALLONS)
CURRENT READING	1,789,578	(10s of GALLONS)
CONSUMPTION	43,832	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	43,832	* 10 GAL / 7.48 GAL/CF=	58,599	CF

This meter reading was reported by: C. Justin Darr on 3/2/06
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024745

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 7 Mar 2006

SAMPLING PERIOD: February 2006

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By
Comments:	

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND		pH METER MODEL		pH Discharge Limits
#1B (Fab 2)					5.0 - 11.5 S.U.

Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration		COMMENTS
					Date	Buffer used	
		SU	YES	NO			

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No Excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Clayton Date: 3/7/06

C:\temp\Februarry 2006.doc

siltronic
perfect silicon solutions

Thomas C. McCue
Manager, Enviromental Affairs
Siltronic Corporation
7200 NW Front Avenue, MS-30
Portland OR 97210-3676, USA
Tel. 503-219-7532
Fax 503-219-7599
Tom.mccue@siltronic.com

Department of Environmental Quality
Northwest Region
2020 SW Fourth Avenue, Suite 400
Portland, OR 97201-4987

February 9, 2006 ER010:MB

Subject: 2005 Air Emissions Report
ACDP No. 26-3002

Enclosed are two copies of the Annual Report for Wacker Siltronic Corporation required under our Air Contaminant Discharge Permit (ACDP). The Report of Excess Emissions is included in the body of the Annual Report.

No upset condition incidents were reported to DEQ in 2005.

We estimated 2005 emissions using AP-42 emission factors, natural gas usage (for boilers) and hours of operation (for generators).

If you have any questions, please call Myron Burr at 503-219-7832.

Very truly yours,

SILTRONIC COPRORATION

Thomas C. McCue
Environmental Manager

Cc;
2005 Air Report file
2006 Correspondence file

Wacker Siltronic Corporation
Annual Report for 2005
ACDP No. 26-3002

13a. Quantity of natural gas and diesel oil burned on an annual basis, and resulting criteria pollutant annual emissions:

Natural gas burned: 161.09 million cubic feet

Diesel burned: 624 gallons

Resulting criteria pollutant annual emissions:

Particulate	0.28 tons
CO	2.92 tons
NOx	11.62 tons
SOx	0.11 tons
VOC	0.50 tons

13b. Annual wafer manufacturing NOx emissions:

NOx	7.93 tons

13c. The amount of VOCs emitted on an annual basis:

VOCs	13.18 tons

(includes VOCs from fuel burning and unrecovered VOCs from chemicals used)

13d. The amount of VOC cleaning solvent emitted each month:

January	0.95 tons
February	0.64 tons
March	0.93 tons
April	0.25 tons
May	0.96 tons
June	0.25 tons
July	1.10 tons
August	0.43 tons
September	0.96 tons
October	0.59 tons
November	0.76 tons
December	0.73 tons

Wacker Siltronic Corporation
Annual Report for 2005
ACDP No. 26-3002

13e. The amount of VOC used and amount of VOC waste collected on annual basis:

VOC used	16.66 tons
VOC waste collected	3.98 tons

13f. Emergency diesel generator total hours of operation:

54.9 hours

13g. Log of all planned and unplanned excess emissions in accordance with OAR 340-28-1440:

None.

13h. List all major maintenance performed on air pollution equipment:

11/15/05 Maintenance of a variety of NOx scrubber systems (please see attached list of items)

11/30/2005 Repaired epitaxial scrubber in Fab 2.

12/1/2005 Insulated chemical lines on NOx scrubber

Major Maintenance performed on the NOx Scrubber system during the November 15, 2005 shutdown.

1	Tower 4 distribution header removed and cleaned and inspected. Broken plastic was removed from nozzles.
2	Tower 4 demister replaced
3	Tower 3 demister removed, cleaned and replaced. This had a lot of buildup, but was clean successfully with pressure washer.
4	Tower 3 distribution header inspected (Through opening) Could not be seen.
5	Tower 2 upper demister replaced
6	Tower 2 middle demister replaced
7	Tower 2 lower demister replaced
8	Tower 2 upper distribution header inspected (through opening). Left hand side distribution header a nozzle was broken. The header was removed and all nozzles were replaced.
9	Tower 2 Middle distribution header inspected (through opening). No broken nozzles seen.
10	Tower 2 lower distribution header inspected (through opening). Right hand side distribution header a nozzle was broken. The header was removed and all nozzles were replaced.
11	Tower 2 Horizontal demister removed, cleaned, inspected, and replaced (very clean, could be skipped next time)
12	Tower 1 demisters removed, cleaned, inspected, and replaced. This had some buildup, was cleaned with pressure washer.
13	Tower 1 distribution header inspected (through opening). Could not be seen through upper opening, looked through window and looked fine.
14	PLC upgrades done

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-6) PERMIT NUMBER	(12-15) DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	1	1	TO	2006	1	31
	(16-21)	(22-23)	(24-25)		(26-31)	(32-33)	(34-35)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,446	3,812	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	9.0	15.1	Kg/day	--	2.5	4.0	mg/l		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	10.1	13.5	Kg/day	--	2.9	3.6	mg/l		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	Kg/day	--	<0.001	<0.001	mg/l		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	27.8	29.2	Kg/day	--	7.9	8.6	mg/l		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/l		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 2 | DAY 3

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Chrome batches are no longer being treated on site. pH Excursion: none

ER 009 JWC

SCOEPA00024751

SUBMITTER NAME/ADDRESS (Include Facility Name/Location If Different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(C-16) PERMIT NUMBER: 101128
(17-18) DISCHARGE NUMBER: Outfall 001

MONITORING PERIOD
FROM: YEAR 2006 (20-21) MO 1 (22-23) DAY 1 (24-25)
TO: YEAR 2006 (26-27) MO 1 (28-29) DAY 31 (30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(46-53) MAXIMUM	(51-61) UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					2.2	6.2	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 Penalties under these statutes may include fines up to $10000 and maximum imprisonment of between 6 months and 5 years

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020
DATE: YEAR 06 MO 2 DAY 3

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024752

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	1	1	TO	2006	1	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	146	715	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.3	mg/l		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	06	2	3
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA Form 3320-1 (Rev. 8-88) Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

SCOEPA00024753

EMITTER NAME/ADDRESS (Include facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16): 101128 — PERMIT NUMBER

(17-19): Outfall 003 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2006	1	1	TO	2006	1	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,592	4,198	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	72.2	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.17	7.50	8.17			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years).

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 2 | DAY 3

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024754

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 008.JWC

2006-February-3

January 2006 Industrial Discharge Report

Dear Mr. Dean,

Enclosed are the January 2006 monthly and quarterly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR December Report
Special Account Meter Report Document

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 February 2006

SAMPLING PERIOD: January 2006

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By:
Comments:	

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND		pH METER MODEL		pH Discharge Limits
#1B (Fab 2)					5.0 - 11.5 S.U.

Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration		COMMENTS
					Date	Buffer used	
		SU	YES	NO			

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No Excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Claxton Date: 2/3/06

N:\Environmental\FACLAB\WWTP\BES Monthly Reports\Monthly\January 2006.doc

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	12	1	TO	2005	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,477	4,179	M^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	18.9	23.6	Kg/day	--	5.4	6.9	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	7.6	12.3	Kg/day	--	2.2	3.6	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			Kg/day	--			mg/l			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	0.010	Kg/day	--	<0.001	0.003	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	26.5	27.8	Kg/day	--	7.6	8.0	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.3	0.5	mg/l		1/ 7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years).

Siltronic Corp. by:
J Claxton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020
DATE: YEAR 06 MO 1 DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
Chrome batches are no longer being treated on site. pH Excursion: ER 003

SCOEPA00024757

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	12	1	TO	2005	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	Kg/day	--	--	<0.01	mg/l		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					1.5	3.0	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	06	1	9
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024758

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	12	1	TO	2005	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (46-53) MINIMUM	(54-61) AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	115	197	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.3	mg/l		1/7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1 001 AND 33 USC 1319 (Penalties under these statutes may include fines up to $10,000 per violation, imprisonment of between 6 months and 5 years).

Siltronic Corp. by:
J Clayton
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 06 | MO 1 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024759

NAME/ADDRESS (Include if different)
Siltronic Corporation Site ID 93450
NW Front Ave.
Portland, OR 97210-3676

FACILITY LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 003

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2005	12	1	TO	2005	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	3,592	4,259	M^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	73.1	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.22	7.46	8.17			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Tom McCue Environmental Manager	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 per violation, imprisonment of between 6 months and 5 years).	Siltronic Corp. by: J Clayton	503	243-2020	06	1	9
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024760

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

Tim Dean
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 002.JWC

2006-January-10

December 2005 Industrial Discharge Report

Dear Mr. Dean,

Enclosed are the December 2005 monthly and quarterly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Jim Claxton.

Regards,
Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

Enclosure:
POTW-IDR December Report
Quarterly December 2005 Report
Siltronic's Facilities Lab Bench Sheets
North Creek Analytical Reports
Chain of Custody Report
Special Account Meter Report Document

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 January 2006

SAMPLING PERIOD: Quarterly December 2005

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	GRAB

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
pH	SM-4508II	SU	0.1	5.0 - 11.5	N/A	No Excursions for December 2005
TTOs (Volatiles)	EPA 8260B	<0.01 mg/L	0.01	1.37 mg/L	N/A	SEE CERTIFICATION STATEMENT BELOW

SAMPLE DATE	POINT OF COMPLIANCE	SAMPLE TYPE
	#1B (Fab 2)	COMPOSITE

PARAMETER	ANALYSIS METHOD	REPORTED CONCENTRATION	MDL	LIMITS DAILY	LIMITS MONTHLY	COMMENTS
Arsenic (Total)	EPA 200.8	<0.005 mg/L	0.005	0.2 mg/L	0.83 mg/L	
Total Suspended Solids	EPA 160.8	191 mg/L	0.1	N/A	N/A	Average of six measurements see attached benchsheets

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the toxic organic management plan submitted to the control authority.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Claxton Date: 1/10/06

SCOEPA00024762

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15 January 2006

SAMPLING PERIOD: December 2005

For Industrial Source Control Division Use Only

Date Postmarked/Received **Date Entered**

Entered By:

Comments:

CONTINUOUSLY MONITORED pH - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
No excursions				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: J Claxton Date: 1/10/06

Document2

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name:	Wastewater	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	12/15/05 16:57

Total Metals per EPA 200 Series Methods

North Creek Analytical - Portland

Analyte		Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5L0062-01	**Water**	**05-108-CE-C**		**Sampled: 12/01/05 07:15**							
Chromium		EPA 200.8	**0.00289**	-----	0.00100	mg/l	1x	5120314	12/07/05	12/10/05 04:44	
P5L0062-03	**Water**	**05-110-OWW-C**		**Sampled: 12/01/05 07:15**							
Arsenic		EPA 200.8	ND	-----	0.00500	mg/l	5x	5120314	12/07/05	12/10/05 12:36	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian L Cone

Brian Cone, Industrial Services Manager

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name: Wastewater	
7200 N.W. Front Ave	Project Number: PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager: Thomas Rothschild	12/15/05 16:57

Volatile Organic Compounds per EPA Method 8260B

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5L0062-02 Water	**05-109-CE-g**	**Sampled: 12/01/05 07:15**								
p-Isopropyltoluene	EPA 8260B	ND	-----	2.00	ug/l	1x	5120156	12/05/05	12/05/05 15:09	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): 4-BFB		*Recovery: 86.0%*		*Limits: 75 - 120 %*	"				"	
1,2-DCA-d4		*106%*		*77 - 129 %*	"				"	
Dibromofluoromethane		*102%*		*80 - 121 %*	"				"	
Toluene-d8		*92.5%*		*80 - 120 %*	"				"	
P5L0062-04 Water	**05-111-OWW-g**	**Sampled: 12/01/05 07:15**								
Acetone	EPA 8260B	**247**	-----	25.0	ug/l	1x	5120156	12/05/05	12/05/05 16:34	
Benzene	"	ND	-----	1.00	"	"	"	"	"	
Bromobenzene	"	ND	-----	1.00	"	"	"	"	"	
Bromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromodichloromethane	"	ND	-----	1.00	"	"	"	"	"	
Bromoform	"	ND	-----	1.00	"	"	"	"	"	
Bromomethane	"	ND	-----	5.00	"	"	"	"	"	
2-Butanone	"	ND	-----	10.0	"	"	"	"	"	
n-Butylbenzene	"	ND	-----	5.00	"	"	"	"	"	
sec-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
tert-Butylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Carbon disulfide	"	ND	-----	10.0	"	"	"	"	"	
Carbon tetrachloride	"	ND	-----	1.00	"	"	"	"	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024765

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name: **Wastewater**	
7200 N.W. Front Ave	Project Number: PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager: Thomas Rothschild	12/15/05 16:57

Volatile Organic Compounds per EPA Method 8260B

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5L0062-04 Water	**05-111-OWW-g**	**Sampled: 12/01/05 07:15**								
Chlorobenzene	EPA 8260B	ND	-----	1.00	ug/l	1x	5120156	12/05/05	12/05/05 16:34	
Chloroethane	"	ND	-----	1.00	"	"	"	"	"	
Chloroform	"	**6.03**	-----	1.00	"	"	"	"	"	
Chloromethane	"	ND	-----	5.00	"	"	"	"	"	
2-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
4-Chlorotoluene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	"	ND	-----	5.00	"	"	"	"	"	
Dibromochloromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dibromoethane	"	ND	-----	1.00	"	"	"	"	"	
Dibromomethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,4-Dichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
Dichlorodifluoromethane	"	ND	-----	5.00	"	"	"	"	"	
1,1-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,2-Dichloroethene	"	ND	-----	1.00	"	"	"	"	"	
1,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,3-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
2,2-Dichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,1-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
cis-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
trans-1,3-Dichloropropene	"	ND	-----	1.00	"	"	"	"	"	
Ethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Hexachlorobutadiene	"	ND	-----	4.00	"	"	"	"	"	
2-Hexanone	"	ND	-----	10.0	"	"	"	"	"	
Isopropylbenzene	"	ND	-----	2.00	"	"	"	"	"	
p-Isopropyltoluene	"	ND	-----	2.00	"	"	"	"	"	
4-Methyl-2-pentanone	"	ND	-----	5.00	"	"	"	"	"	
Methyl tert-butyl ether	"	ND	-----	1.00	"	"	"	"	"	
Methylene chloride	"	ND	-----	5.00	"	"	"	"	"	
Naphthalene	"	ND	-----	2.00	"	"	"	"	"	
n-Propylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Styrene	"	ND	-----	1.00	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	"	ND	-----	1.00	"	"	"	"	"	
Tetrachloroethene	"	ND	-----	1.00	"	"	"	"	"	
Toluene	"	**2.55**	-----	1.00	"	"	"	"	"	
1,2,3-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trichlorobenzene	"	ND	-----	1.00	"	"	"	"	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

SCOEPA00024766

www.ncalabs.com

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
phone: (425) 420.9200 fax: (425) 420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
phone: (509) 924.9200 fax: (509) 924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
phone: (503) 906.9200 fax: (503) 906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
phone: (541) 383.9310 fax: 541.382.7588
Anchorage 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119
phone: (907) 563.9200 fax: (907) 563.9210

Siltronic	Project Name:	Wastewater	
7200 N.W. Front Ave	Project Number:	PO# 4500186654	Report Created:
Portland, OR 97210	Project Manager:	Thomas Rothschild	12/15/05 16:57

Volatile Organic Compounds per EPA Method 8260B

North Creek Analytical - Portland

Analyte	Method	Result	MDL*	MRL	Units	Dil	Batch	Prepared	Analyzed	Notes
P5L0062-04 Water	**05-111-OWW-g**		**Sampled: 12/01/05 07:15**							
1,1,1-Trichloroethane	EPA 8260B	ND	-----	1.00	ug/l	1x	5120156	12/05/05	12/05/05 16:34	
1,1,2-Trichloroethane	"	ND	-----	1.00	"	"	"	"	"	
Trichloroethene	"	ND	-----	1.00	"	"	"	"	"	
Trichlorofluoromethane	"	ND	-----	1.00	"	"	"	"	"	
1,2,3-Trichloropropane	"	ND	-----	1.00	"	"	"	"	"	
1,2,4-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
1,3,5-Trimethylbenzene	"	ND	-----	1.00	"	"	"	"	"	
Vinyl chloride	"	ND	-----	1.00	"	"	"	"	"	
o-Xylene	"	ND	-----	1.00	"	"	"	"	"	
m,p-Xylene	"	ND	-----	2.00	"	"	"	"	"	
Surrogate(s): 4-BFB		*Recovery: 91.0%*		*Limits: 75 - 120 %*		"			"	
1,2-DCA-d4		*106%*		*77 - 129 %*		"			"	
Dibromofluoromethane		*102%*		*80 - 121 %*		"			"	
Toluene-d8		*95.5%*		*80 - 120 %*		"			"	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Brian Cone, Industrial Services Manager

SCOEPA00024767

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

December-05

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	90,306	100s of GALLONS)
CURRENT READING	109367	276,694	100s of GALLONS)
CONSUMPTION	0	186,388	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,863,880	'10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,863,880	* 10 GAL / 7.48 GAL/CF =	2,491,818	CF
TOTAL THROUGH OVERFL(	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,491,818	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	1,603,292	(10s of GALLONS)
CURRENT READING	1,666,875	(10s of GALLONS)
CONSUMPTION	63,583	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	63,583	* 10 GAL / 7.48 GAL/CF=	85,004	CF

This meter reading was reported by: C. Justin Darr on 1-3-06
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Tim Dean
Portland, Oregon 97203-5452

SCOEPA00024768

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 12-1-05 Oven Temp: 103 C Analyst: DI

Date In: 12-1-05 Time In/Out: 0800 / 1400

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0900	0.0900	
2	CE	500	0.0927	0.0907	4
3	CE	500	0.0916	0.0900	3.2
				Average CE TSS	3.6
4	OWW	100	0.1210	0.0905	305
5	OWW	100	0.1208	0.0902	306
				Average OWW TSS	305.5
				Average TSS	
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 19 Oct 2005 Revised

SCOEPA00024769

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 9 Dec 2005 Oven Temp: 103 C Analyst: TJR

Date In: 9 Dec 2005 Time In/Out: 0829 /

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0900	0.0901	-
	CE				
	CE				
				Average CE TSS	
9	OWW	100	0.1010	0.0913	97
19	OWW	100	0.1009	0.0907	102
				Average OWW TSS	100
				Average TSS	
				Average TSS	

Comments: Resample. 24-hour composite.

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 19 Oct 2005 Revised

SCOEPA00024770

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 12.8.05 Oven Temp: 103 C Analyst: DJ

Date In: 12.8.05 Time In/Out: 0845 / ~~HT~~ 1130

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0901	0.0901	
2	CE	506	0.0916	0.0903	2.6
3	CE	506	0.0926	0.0911	3.0
			0.1434	Average CE TSS	2.8
4	OWW	100	~~0.0434~~	0.0896	538
5	OWW	50	0.1131	0.0921	420
				Average OWW TSS	479
				Average TSS	
				Average TSS	

Comments: OWW sampler turned back on - will notify OPS of high TSS

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 19 Oct 2005 Revised

SCOEPA00024771

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 12-15-05 Oven Temp: 103 C Analyst: DI

Date In: 12-15-05 Time In/Out: 0800 / 1000

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0901	0.0901	
2	CE	500	0.0914	0.0908	1.2
3	CE	500	0.0918	0.0911	1.4
				Average CE TSS	1.3
4	OWW	100	0.1022	0.0902	120
5	OWW	100	0.1040	0.0915	125
				Average OWW TSS	122.5
				Average TSS	
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 19 Oct 2005 Revised

SCOEPA00024772

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 12.22.05 Oven Temp: 103 C Analyst: DJ

Date In: 12.22.05 Time In/Out: 0800 / 1100

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0901	0.0901	
2	CE	500	0.0914	0.0904	2
3	CE	500	0.0919	0.0910	1.8
				Average CE TSS	1.9
4	OWW	100	0.0998	0.0906	92
5	OWW	100	0.0995	0.0901	94
				Average OWW TSS	93
				Average TSS	
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 19 Oct 2005 Revised

SCOEPA00024773

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 12.29.05 Oven Temp: 105 C Analyst: DI

Date In: 12-29-05 Time In/Out: 0953 / 1400

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0901	0.0901	
2	CE	500	0.0916	0.0910	1.2
3	CE	500	0.0917	0.0909	1.6
				Average CE TSS	1.4
4	OWW	100	0.0948	0.0902	46
5	OWW	100	0.0956	0.0910	46
				Average OWW TSS	46
				Average TSS	
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 19 Oct 2005 Revised

SCOEPA00024774

North Creek Analytical, Inc.
Environmental Laboratory Network
www.ncalabs.com

720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244 (425) 420-9200 FAX 420-9210
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776 (509) 924-9200 FAX 924-9290
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 (503) 906-9200 FAX 906-9210
20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 (541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #:

CLIENT: Siltronic Corp.
REPORT TO: Tom Rothschiller
ADDRESS: 7200 NW Front Ave
Portland OR
PHONE: 503-219-7374 FAX: 503-219-4144

INVOICE TO: Accounts Payable
P.O. NUMBER: 4500186654

PROJECT NAME: Monitoring
PROJECT NUMBER: 108-111
SAMPLED BY: Dianne Irish

TURNAROUND REQUEST in Business Days*
Organic & Inorganic Analyses: 10 (X) | 7 | 5 | 4 | 3 | 2 | 1 | <1
STD.
Petroleum Hydrocarbon Analyses: 5 | 4 | 3 | 2 | 1 | <1
STD.
OTHER Please Specify
*Turnaround Requests less than standard may incur Rush Charges.

REQUESTED ANALYSES

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	BOD	Cr (T)	8260	8270	1-3 DIT pump and haul	ASTM	TPH	MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
1. 05-108-CE-C	12/1/05 0715	X	X						WW	2	expect 4/4mm SO)	
2. 05-109-CE-S	12/1/05 0715			X	X	X			WW	4		
3. 05-110-OWC	12/1/05 0715						X		WW	1		
4. 05-111-OWS	12/1/05 0715			X				X	WW	3		
5.												
6.												
7.												
8.												
9.												
10.												
11.												
12.												
13.												
14.												
15.												

RELINQUISHED BY: Dianne Irish DATE: 12-1-05
PRINT NAME: Dianne Irish FIRM: Siltronic TIME: 1145
RECEIVED BY: [signature] DATE: 12-1-05
PRINT NAME: Bob F. FIRM: NCA TIME: 15:20

RELINQUISHED BY: DATE:
PRINT NAME: FIRM: TIME:
RECEIVED BY: DATE:
PRINT NAME: FIRM: TIME:

ADDITIONAL REMARKS:
TEMP:
PAGE OF

COC REV 3/99

SCOEPA00024775

siltronic
perfect silicon solutions

Koreen Lail
Environmental Affairs

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
Koreen.lail@siltronic.com
ER:068KLL

Laura Johnson
City of Portland
Industrial Stormwater Program
6543 N Burlington Avenue
Portland, Oregon 97203-5452

December 28, 2007

Industrial Storm Water NPDES 1200-Z October through December Analytical Reports

Dear Ms. Johnson,

Attached are Siltronic Corporation's Industrial Storm Water NPDES 1200-Z analyticals for October 16th, November 12th, November 15th, and December 3, 2007 as required by Siltronic's NPDES Storm Water Discharge Permit number 1200-Z issued July 1, 2007.

During the November 12th sampling event, the oil and grease bottle for the north sample point was out of stock. We postponed the oil and grease sampling of the north sample point until another bottle could be procured. On November 16th, the oil and grease sample for the north sample point was taken. The results were below detection limit.

As per our notification letter dated December 7, 2007, the November 12, 2007, sampling of the east stormwater sample point indicated an exceedance of the benchmark for oil and grease. We re-sampled the east sample point on December 3, 2007 and the results were below detection limit. We are working on further addressing the exceedance in our SWPCP.

The following materials are enclosed in this report:

1. A summary of the results for 2006-2007 including sample results, bench marks, detection limits and analytical methods used.
2. Siltronic Corporation laboratory bench sheets for TSS and pH.
3. Copies of outside laboratory reports including the chain of custody forms for copper, lead, zinc, and total oil & grease.

If you have any questions or comments, please contact me.

Best regards,

Koreen Lail
Siltronic Corporation
Environmental Affairs

siltronic
perfect silicon solutions

Summary of Results for Oct-Dec 2007

PARAMETER	Sample date	North results	East results	South results	BENCH MARK	Units	Detection limit	Method & Comments
Copper	10/16/07	0.0203	0.0149	<0.01	0.1	mg/L	0.03	EPA 200.8
	11/12/07	0.007	0.017	0.007				
Lead	10/16/07	<0.02	<0.02	<0.02	0.4	mg/L	0.005	EPA 200.8
	11/12/07	<0.001	0.002	0.001				
Zinc	10/16/07	0.25	0.21	0.0283	0.6	mg/L	0.05	EPA 200.8
	11/12/07	0.184	0.269	0.033				
pH	10/16/07	5.9	6.2	5.9	5.5-9	pH units	0.1	Standards Methods 1998, 20th ed, Section 4500-H^+
	11/12/07	6.21	6.37	6.08				
TSS	10/16/07	34.5	7.75	6.25	130	mg/L	0.1	Standards Methods 1998, 20th ed, Section 2540 D
	11/12/07	2.25	5.75	4.0				
Oil and Grease	10/16/07	<5.00	<5.00	<5.00	10	mg/L	3	EPA 1664A (Oil and grease sample bottle unavailable for north sample point sampling on Nov 12. Oil and grease sampling for north sample area delayed until Nov 16.)
	11/12/07	n/a	23.2	5.8				
	11/16/07	<5.00	n/a	n/a				
Oil and Grease resample	12/3/07	n/a	<5.00	n/a	10	mg/L	3	EPA 1664A (retest for oil and grease)

Specialty Analytical

Recd for DI 11-8-07

19761 S.W. 95th Avenue
Tualatin, OR 97062
(503) 612-9007
Fax (503) 612-8572
1 (877) 612-9007

October 22, 2007

Thomas Rothschild
Siltronic Corporation
7200 NW Front Ave
M/S 30
Portland, OR 97210

TEL: (503) 219-7313
FAX (503) 219-7599

RE: Stormwater-1-07

Dear Thomas Rothschild:

Order No.: 0710121

Specialty Analytical received 3 samples on 10/18/2007 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

Ned Engleson
Project Manager

Technical Review

SCOEPA00024778

Specialty Analytical

Date: *22-Oct-07*

CLIENT: Siltronic Corporation
Project: Stormwater-1-07
Lab Order: 0710121

Lab ID: 0710121-01
Client Sample ID: 07-122-SW-N
Collection Date: 10/16/2007 11:25:00 AM
Matrix: STORM WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**				Analyst: **zau**
Copper	0.0203	0.0100		mg/L	1	10/19/2007 2:59:00 PM
Lead	ND	0.0200		mg/L	1	10/19/2007 2:59:00 PM
Zinc	0.250	0.0100		mg/L	1	10/19/2007 2:59:00 PM
POLAR/NON-POLAR OIL AND GREASE		**E1664**				Analyst: **ged**
HEM (Total Hexane Extractable Material)	ND	5.00		mg/L	1	10/18/2007

Lab ID: 0710121-02
Client Sample ID: 07-123-SW-E
Collection Date: 10/16/2007 10:35:00 AM
Matrix: STORM WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**				Analyst: **zau**
Copper	0.0149	0.0100		mg/L	1	10/19/2007 3:19:09 PM
Lead	ND	0.0200		mg/L	1	10/19/2007 3:19:09 PM
Zinc	0.210	0.0100		mg/L	1	10/19/2007 3:19:09 PM
POLAR/NON-POLAR OIL AND GREASE		**E1664**				Analyst: **ged**
HEM (Total Hexane Extractable Material)	ND	5.00		mg/L	1	10/18/2007

Lab ID: 0710121-03
Client Sample ID: 07-124-SW-S
Collection Date: 10/16/2007 11:10:00 AM
Matrix: STORM WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS		**E200.7**				Analyst: **zau**
Copper	ND	0.0100		mg/L	1	10/19/2007 3:24:10 PM
Lead	ND	0.0200		mg/L	1	10/19/2007 3:24:10 PM
Zinc	0.0283	0.0100		mg/L	1	10/19/2007 3:24:10 PM
POLAR/NON-POLAR OIL AND GREASE		**E1664**				Analyst: **ged**
HEM (Total Hexane Extractable Material)	ND	5.00		mg/L	1	10/18/2007

SCOEPA00024779

Specialty Analytical

Date: *22-Oct-07*

CLIENT: Siltronic Corporation
Work Order: 0710121
Project: Stormwater-1-07

ANALYTICAL QC SUMMARY REPORT

TestCode: 1664_SPE

Sample ID	MB-R48829	SampType:	MBLK	TestCode:	1664_SPE	Units:	mg/L	Prep Date:		Run ID:	WETCHEM_071018C
Client ID:	ZZZZZ	Batch ID:	R48829	TestNo:	E1664			Analysis Date:	10/18/2007	SeqNo:	498512

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HEM (Total Hexane Extractable Materi	0.8	5.00									J
SGT (Non-Polar Extractable Material)	ND	5.00									

Sample ID	LCS-R48829	SampType:	LCS	TestCode:	1664_SPE	Units:	mg/L	Prep Date:		Run ID:	WETCHEM_071018C
Client ID:	ZZZZZ	Batch ID:	R48829	TestNo:	E1664			Analysis Date:	10/18/2007	SeqNo:	498510

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HEM (Total Hexane Extractable Materi	37.1	5.00	40	0.8	90.8	78	114	0	0		
SGT (Non-Polar Extractable Material)	25.7	5.00	20	0	128	64	132	0	0		

Sample ID	LCSD	SampType:	LCSD	TestCode:	1664_SPE	Units:	mg/L	Prep Date:		Run ID:	WETCHEM_071018C
Client ID:	ZZZZZ	Batch ID:	R48829	TestNo:	E1664			Analysis Date:	10/18/2007	SeqNo:	498511

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HEM (Total Hexane Extractable Materi	37	5.00	40	0.8	90.5	78	114	37.1	0.270	20	
SGT (Non-Polar Extractable Material)	24.2	5.00	20	0	121	64	132	25.7	6.01	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024780

CLIENT: Siltronic Corporation
Work Order: 0710121
Project: Stormwater-1-07

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.7

Sample ID	MBLK-19746	SampType:	MBLK	TestCode:	200.7	Units:	mg/L	Prep Date:	10/19/2007	Run ID:	TJAIRIS_071019A
Client ID:	ZZZZZ	Batch ID:	19746	TestNo:	E200.7			Analysis Date:	10/19/2007	SeqNo:	498547

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.0100									
Lead	ND	0.0200									
Zinc	ND	0.0100									

Sample ID	LCS-19746	SampType:	LCS	TestCode:	200.7	Units:	mg/L	Prep Date:	10/19/2007	Run ID:	TJAIRIS_071019A
Client ID:	ZZZZZ	Batch ID:	19746	TestNo:	E200.7			Analysis Date:	10/19/2007	SeqNo:	498548

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.4768	0.0100	0.5	0	95.4	89.7	117	0	0		
Lead	0.9874	0.0200	1	0	98.7	93.1	112	0	0		
Zinc	0.4941	0.0100	0.5	0	98.8	92.3	111	0	0		

Sample ID	0710121-03BMS	SampType:	MS	TestCode:	200.7	Units:	mg/L	Prep Date:	10/19/2007	Run ID:	TJAIRIS_071019A
Client ID:	07-124-SW-S	Batch ID:	19746	TestNo:	E200.7			Analysis Date:	10/19/2007	SeqNo:	498555

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.4887	0.0100	0.5	0.0095	95.8	92.7	114	0	0		
Lead	0.9989	0.0200	1	0	99.9	91.9	112	0	0		
Zinc	0.5214	0.0100	0.5	0.0283	98.6	93	110	0	0		

Sample ID	0710121-03BMSD	SampType:	MSD	TestCode:	200.7	Units:	mg/L	Prep Date:	10/19/2007	Run ID:	TJAIRIS_071019A
Client ID:	07-124-SW-S	Batch ID:	19746	TestNo:	E200.7			Analysis Date:	10/19/2007	SeqNo:	498556

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.4974	0.0100	0.5	0.0095	97.6	92.7	114	0.4887	1.76	20	
Lead	0.9891	0.0200	1	0	98.9	91.9	112	0.9989	0.986	20	
Zinc	0.5233	0.0100	0.5	0.0283	99	93	110	0.5214	0.364	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024781

CLIENT: Siltronic Corporation
Work Order: 0710121
Project: Stormwater-1-07

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.7

Sample ID	0710121-03BDUP	SampType:	DUP	TestCode:	200.7	Units:	mg/L	Prep Date:	10/19/2007	Run ID:	TJAIRIS_071019A	
Client ID:	07-124-SW-S	Batch ID:	19746	TestNo:	E200.7			Analysis Date:	10/19/2007	SeqNo:	498554	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Copper	0.0094	0.0100	0	0	0	0	0	0.0095	0	20	J	
Lead	ND	0.0200	0	0	0	0	0	0	0	20		
Zinc	0.027	0.0100	0	0	0	0	0	0.0283	4.70	20		

Sample ID	CCV	SampType:	CCV	TestCode:	200.7	Units:	mg/L	Prep Date:		Run ID:	TJAIRIS_071019A	
Client ID:	ZZZZZ	Batch ID:	19746	TestNo:	E200.7			Analysis Date:	10/19/2007	SeqNo:	498550	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Copper	0.4787	0.0100	0.5	0	95.7	90	110	0	0			
Lead	0.9914	0.0200	1	0	99.1	90	110	0	0			
Zinc	0.4964	0.0100	0.5	0	99.3	90	110	0	0			

Sample ID	CCV	SampType:	CCV	TestCode:	200.7	Units:	mg/L	Prep Date:		Run ID:	TJAIRIS_071019A	
Client ID:	ZZZZZ	Batch ID:	19746	TestNo:	E200.7			Analysis Date:	10/19/2007	SeqNo:	498559	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Copper	0.4811	0.0100	0.5	0	96.2	90	110	0	0			
Lead	1.003	0.0200	1	0	100	90	110	0	0			
Zinc	0.4925	0.0100	0.5	0	98.5	90	110	0	0			

Sample ID	ICV	SampType:	ICV	TestCode:	200.7	Units:	mg/L	Prep Date:		Run ID:	TJAIRIS_071019A	
Client ID:	ZZZZZ	Batch ID:	19746	TestNo:	E200.7			Analysis Date:	10/19/2007	SeqNo:	498546	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Copper	0.497	0.0100	0.5	0	99.4	95	105	0	0			
Lead	1.013	0.0200	1	0	101	95	105	0	0			
Zinc	0.5091	0.0100	0.5	0	102	95	105	0	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024782

KEY TO FLAGS

A	This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards.
A1	This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
A2	This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
A3	The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
B	The blank exhibited a positive result greater than the reporting limit for this compound.
CN	See Case Narrative.
D	Result is based from a dilution.
E	Result exceeds the calibration range for this compound. The result should be considered as estimate.
F	The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
H	Sample was analyzed outside recommended hold time.
HT	At clients request, sample was analyzed outside recommended hold time.
J	The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
K	Diesel result is biased high due to amount of Oil contained in the sample.
L	Diesel result is biased high due to amount of Gasoline contained in the sample.
M	Oil result is biased high due to amount of Diesel contained in the sample.
N	Gasoline result is biased high due to amount of Diesel contained in the sample.
MC	Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
MI	Result is outside control limits due to matrix interference.
MSA	Value determined by Method of Standard Addition.
O	Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
P	Detection levels of Methylene Chloride may be laboratory contamination, due to previous analysis or background levels.
Q	Detection levels elevated due to sample matrix.
R	RPD control limits were exceeded.
RF	Duplicate failed due to result being at or near the method-reporting limit.
RP	Matrix spike values exceed established QC limits, post digestion spike is in control.
S	Recovery is outside control limits.
SC	Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
*	The result for this parameter was greater that the maximum contaminant level of the TCLP regulatory limit.

SCOEPA00024783

CHAIN OF CUSTODY RECORD

Page ___ of ___

Specialty Analytical
19761 S.W. 95th. Avenue
Tualatin, OR 97062
(503) 612-9007 - Phone
(503) 612-8572 - Fax

Contact Person/Project Manager: Tom Rothschild
Company: Sitronic
Address: 7200 NW Front Ave
Portland, OR 97210
Phone: 503-219-7374 Fax: 503-219-4144
Project No. ___ Project Name ___
Invoice To: Accts Pay P.O. No. 4500

Collected By:
Signature ___
Printed: Tom Rothschild
Signature ___
Printed: ~~Greg Gibson~~ D. Greg Williams

Turn Around Time
☒ ~~Normal~~
☐ Rush ___
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. 0711046
Shipped Via: Specialty
Air Bill No. ___
Temperature On Receipt 5 °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	Analyses: (T) Cu (200.8)	(T) Pb (200.8)	(T) Zn (200.8)	Oil+Grease (1664)	Comments	Lab I.D.
11.12.07	1120	07-141-N	~~Wtr~~	1	X	X	X			
11.12.07	1040	07-142-E		2	X	X	X	X		
11.12.07	1105	07-143-S		2	X	X	X	X		

Relinquished By	Date	Time	Received By	Relinquished By	Date	Time
Company: Sitronic	11.13.07	1050	Company: Specialty	Company:		

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.
Copies: White-Original Yellow-Project File Pink-Customer Copy

Received For Lab By: Nikki Dalton — Date: 11/13/07 — Time: 1310

SCOEPA00024784

Specialty Analytical

19761 S.W. 95th Avenue
Tualatin, OR 97062
(503) 612-9007
Fax (503) 612-8572
1 (877) 612-9007

December 03, 2007

Thomas Rothschild
Siltronic Corporation
7200 NW Front Ave
M/S 30
Portland, OR 97210

TEL: (503) 219-7313
FAX: (503) 219-7599

RE: Stormwater / 07145

Dear Thomas Rothschild:

Order No.: 0712008

Specialty Analytical received 1 sample on 11/21/2007 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

Ned Engleson
Project Manager

Technical Review

SCOEPA00024785

Specialty Analytical

Date: *03-Dec-07*

CLIENT: Siltronic Corporation
Project: Stormwater / 07145
Lab Order: 0712008

CASE NARRATIVE

The percent recovery for Total HEM in the LCS/LCSD for Oil and Grease by EPA 1664 exceeded control limits (low recovery). All other QC parameters were in control. No volume remained for re-extraction and analysis.

SCOEPA00024786

Specialty Analytical

Date: *03-Dec-07*

CLIENT: Siltronic Corporation
Project: Stormwater / 07145
Lab Order: 0712008

Lab ID: 0712008-01
Client Sample ID: 07-145 (1)
Collection Date: 11/16/2007 11:30:00 AM
Matrix: STORM WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
NON-POLAR OIL AND GREASE EPA 1664		**E1664**				Analyst: **ged**
HEM (Total Hexane Extractable Material)	ND	5.00		mg/L	1	11/28/2007

(1) Stormwater North. 3yR

SCOEPA00024787

Specialty Analytical

Date: *03-Dec-07*

CLIENT: Siltronic Corporation
Work Order: 0712008
Project: Stormwater / 07145

ANALYTICAL QC SUMMARY REPORT

TestCode: HEM_W

Sample ID: MBLK	SampType: MBLK	TestCode: HEM_W	Units: mg/L	Prep Date:	Run ID: WETCHEM_071128B
Client ID: ZZZZZ	Batch ID: R49373	TestNo: E1664		Analysis Date: 11/28/2007	SeqNo: 506264

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HEM (Total Hexane Extractable Materia	ND	5.00									

Sample ID: LCS	SampType: LCS	TestCode: HEM_W	Units: mg/L	Prep Date:	Run ID: WETCHEM_071128B
Client ID: ZZZZZ	Batch ID: R49373	TestNo: E1664		Analysis Date: 11/28/2007	SeqNo: 506262

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HEM (Total Hexane Extractable Materia	25.1	5.00	40	0	62.8	78	114	0	0		S

Sample ID: LCSD	SampType: LCSD	TestCode: HEM_W	Units: mg/L	Prep Date:	Run ID: WETCHEM_071128B
Client ID: ZZZZZ	Batch ID: R49373	TestNo: E1664		Analysis Date: 11/28/2007	SeqNo: 506263

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
HEM (Total Hexane Extractable Materia	22.4	5.00	40	0	56	78	114	25.1	11.4	20	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024788

KEY TO FLAGS

A	This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards.
A1	This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
A2	This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
A3	The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
B	The blank exhibited a positive result greater than the reporting limit for this compound.
CN	See Case Narrative.
D	Result is based from a dilution.
E	Result exceeds the calibration range for this compound. The result should be considered as estimate.
F	The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
H	Sample was analyzed outside recommended hold time.
HT	At clients request, sample was analyzed outside recommended hold time.
J	The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
K	Diesel result is biased high due to amount of Oil contained in the sample.
L	Diesel result is biased high due to amount of Gasoline contained in the sample.
M	Oil result is biased high due to amount of Diesel contained in the sample.
N	Gasoline result is biased high due to amount of Diesel contained in the sample.
MC	Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
MI	Result is outside control limits due to matrix interference.
MSA	Value determined by Method of Standard Addition.
O	Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
P	Detection levels of Methylene Chloride may be laboratory contamination, due to previous analysis or background levels.
Q	Detection levels elevated due to sample matrix.
R	RPD control limits were exceeded.
RF	Duplicate failed due to result being at or near the method-reporting limit.
RP	Matrix spike values exceed established QC limits, post digestion spike is in control.
S	Recovery is outside control limits.
SC	Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
*	The result for this parameter was greater that the maximum contaminant level of the TCLP regulatory limit.

Rev Dec 15, 2004

CHAIN OF CUSTODY RECORD

Page ___ of ___

Specialty Analytical
19761 S.W. 95th. Avenue
Tualatin, OR 97062
(503) 612-9007 - Phone
(503) 612-8572 - Fax

Contact Person/Project Manager ___
Company Siltronic Corporation
Address ~~7211 S.W. 11th NW~~ 7200 NW Front Avenue
Portland, Oregon 97210
Phone 503-~~246~~ 219-7374 Fax 503-219-4144
Project No. 07-145 Project Name Stormwater
Invoice To Accounts Payable P.O. No. 4500521869

0712008

Collected By:
Signature Thomas J. Rothschild
Printed Thomas J. Rothschild

Signature ___
Printed ___

Turn Around Time
☒ Normal
☐ Rush ___
Specify

Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No. ~~0711103~~
Shipped Via Specialty
Air Bill No. ___

Temperature On Receipt 4 °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	Oil and Grease	BOD	Chromium, Total								Comments	Lab I.D.
16 Nov 2007	1130	07-145	Water	1	X											
21 Nov 2007	0720	07-146-CE-C	Water	2		X	X									

Relinquished By: Thomas J. Rothschild	Date	Time	Received By: Nikki Sulton	Relinquished By:	Date	Time
Company: Siltronic Corporation	21 Nov 2007	0800	Company: Specialty	Company:		

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.
Copies: White-Original Yellow-Project File Pink-Customer Copy

Received For Lab By:	Date	Time
Nikki Sulton	11/21/07	0917

SCOEPA00024790

Siltronic Corporation Storm Water Monitoring

STORM WATER SAMPLING – Monthly (when discharging):

DATE:	11.12.07		INITIAL:		
PARAMETER	**BENCHMARK[1]**	**UM**	North	East	South
Floating Solids	No visible discharge	Yes or No	No	No	No
Oil and Grease Sheen*	No visible sheen	Yes or No	No	No	No

- If oil and grease sheen is present please sample for total oil and grease.
- If there is no rain event in the month write "no rain" in the box.

STORM WATER SAMPLING – Semiannual:

DATE:	11.12.07	INITIAL:			
PARAMETER	**BENCHMARK[1]**	**UM**	North	East	South
Total Copper	0.1	mg/L	0.007	0.017	0.007
Total Lead	0.4	mg/L	< 0.001	0.002	0.001
Total Zinc	0.6	mg/L	0.184	0.269	0.033
PH	5.5-9	Su	6.21	6.37	6.08
TSS	130	mg/L	2.25	5.75	4.0
Oil and Grease	10	mg/L	<5	23.2 (1) <5 (2)	5.8

1. "Benchmark" is the term used by DEQ in the storm water permit. It is essentially a "limit". If a benchmark is exceeded resample and contact Koreen Lail in Environmental Engineering.
2. Please submit monitoring results and benchsheets to Koreen Lail.

N:\ENVIRONMENTAL\FACLAB\WWTP\LOG\STORMWATER.DOC

(1) 12 Nov 2007.
(2) 3 Dec 2007.

SILTRONIC CORPORATION
STORM WATER RUN-OFF SAMPLE

Location: North Sample ID#: 07-141

Date: 11.12.07 Time: 1120 Sampled by: Tom Rothschild
Greg Williams

OBSERVATIONS UPON SAMPLING:

Oil Sheen: yes:____ No: X Floating Solids: yes:____ No: X

IN HOUSE ANALYTICAL DATA:

F-, mg/L: 0.28 pH: 6.21

TSS, mg/L: 2.25 Nitrate, mg/L: 1.32

OUTSIDE LAB ANALYTICAL DATA:

Oil & Grease (EPA 1664), mg/L:_____

Metals(EPA 200.8), mg/L:

Copper: _____ Lead: _____ Zinc: _____

Notes:

_____

_____

_____

DEM 10 Oct 96
DEI 12 Oct 2007 Revised

N:\Environmental\FACLAB\WWTP\LOG\STORMWATL.DOC

TSS Pad

SILTRONIC CORPORATION
STORM WATER RUN-OFF SAMPLE

Location: East Sample ID#: 07-142

Date: 11.12.07 Time: 1040 Sampled by: Tom Rothschild
Greg Williams

OBSERVATIONS UPON SAMPLING:

Oil Sheen: yes:____ No: X Floating Solids: yes:____ No: X

IN HOUSE ANALYTICAL DATA:

F-, mg/L: 0.16 pH: 6.37

TSS, mg/L: 5.75 Nitrate, mg/L: 0.44

OUTSIDE LAB ANALYTICAL DATA:

Oil & Grease (EPA 1664), mg/L:_____

Metals(EPA 200.8), mg/L:

Copper: _____ Lead: _____ Zinc: _____

Notes:

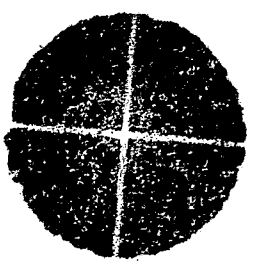
_____

_____

_____

DEM 10 Oct 96
DEI 12 Oct 2007 Revised

N:\Environmental\FACLAB\WWTP\LOG\STORMWATL.DOC



TSS Pad

SILTRONIC CORPORATION
STORM WATER RUN-OFF SAMPLE

Location: South Sample ID#: 07-143

Date: 11.12.07 Time: 1105 Sampled by: Tom Rothschild
Greg Williams

OBSERVATIONS UPON SAMPLING:

Oil Sheen: yes:____ No: X Floating Solids: yes:____ No: X

IN HOUSE ANALYTICAL DATA:

F-, mg/L: 0.17 pH: 6.08

TSS, mg/L: 4.0 Nitrate, mg/L: 0.88

OUTSIDE LAB ANALYTICAL DATA:

Oil & Grease (EPA 1664), mg/L:_____

Metals(EPA 200.8), mg/L:

Copper: _____ Lead: _____ Zinc: _____

Notes:

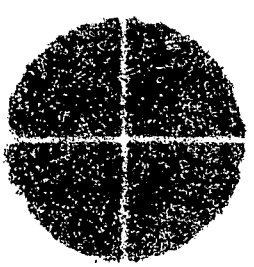
_____

_____

_____

DEM 10 Oct 96
DEI 12 Oct 2007 Revised

N:\Environmental\FACLAB\WWTP\LOG\STORMWATL.DOC



TSS Pad

BENCHSHEET

FLUORIDE ANALYSIS

Test Date: 11·12·07 Sample Date: 11·12·07 Analyst: DJ

Slope: -55.4 (Range: -54 to -60 mV)

Standards:

1.0 mg/L: Lot #: A7039 Date Opened: 10·16·07

10.0 mg/L: Lot #: A7222 Date Opened: 10·16·07

Data:

Sample	Fluoride, mg/L
North	0.28
East	0.16
South	0.17

Quality Control: Spike each of the above samples with 0.1 ml of 1000 mg/L Standard. The Fluoride concentration should increase by 2.0 mg/L.
Manufacturer: RICCA
Lot Number: 1707358

	North	East	South
After Spike Concentration:	2.2 mg/L	2.1 mg/L	2.1 mg/L
Recovery:	96 %	97 %	96.5 %

Comments: _____

_____

_____

Note: NPDES permit: monthly avg. 17.4 mg/L, daily max. 32 mg/L.

References:
1. Standard Methods For The Examination of Water And Wastewater, 1998 20th Edition, Section 4500-F C, page 4-81.
2. Orion Research Manual for the Fluoride Electrode, Model 940900, 1991.
3. NPDES Permit #101128.

TJR 06 Apr 1987
DEM 11 Jan 2000 Revised

SCOEPA00024795

BENCHSHEET

NITRATE ANALYSIS

Test Date: 11·12·07 Sample Date: 11·12·07 Analyst: DI

Data:

Sample	Nitrate Nitrogen(N)	x Dilution	x 4.4* =	Nitrate, mg/L
North	0.3	x N/A	x 4.4 =	1.32
East	0.1	x N/A	x 4.4 =	0.44
South	0.2	x N/A	x 4.4 =	0.88
		x	x 4.4 =	

*Multiplication of 4.4 converts Nitrate Nitrogen to Nitrate.

Quality Control: Spike each of the above samples with 0.1 ml of 100 mg/L Standard. The Nitrate Nitrogen (N) concentration should increase by 1.0 mg/L.
Manufacturer: HACH
Lot Number: A1361

	Sample: North	East	South
After Spike Concentration:	1.2 mg/L	1.0 mg/L	1.0 mg/L
Recovery:	90 %	90 %	80 %

Notes: _____

_____

_____

Waste is to be disposed in satellite Cadmium Waste container

References:
1. Standard Methods For The Examination of Water And Wastewater, 1998, 20th Edition, Section 4500-N03-E, page 4-117.
2. Hach DR/4000 Spectrophotometer Instrument Manual; Nitrogen, Nitrate Method 8171, Mid Range:0-5.0 mg/L Cadmium Reduction Method. HACH Program 2520.

TJR/JB 27 Jun 1996
DEI 12 Nov 2002 Revised

N:\ENVIRONMENTAL\FACLAB\DIANNES\STORM WATER\NITRATE4000-MR-SWB.DOC

BENCHSHEET

pH

Test Date: 11.12.07 Sample Date: 11.12.07 Analyst: DI

Slope: 99.7 (Range: 92 to 102%)

Standards:

4.0 mg/L: Lot #: 1603735 Date Opened: 8.18.06

7.0 mg/L: Lot #: 1611562 Date Opened: 5.9.07

10.0 mg/L: Lot #: 1608475 Date Opened: 2.1.07

Sample	pH Units
North	6.21
East	6.37
South	6.08

Notes: Rain Water collected @ time of rain event: 6.51

Reference: 1. Standard Methods For The Examination of Water And Wastewater, 1998, 20th Edition, Section 4500-H^+B page 4-87.

DEI 13 Aug 2003

N:\ENVIRONMENTAL\FACLAB\DIANNES\STORM WATER\PHB.DOC

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 11.12.07 Oven Temp: 108 C Analyst: DI

Date In: 11.12.07 Time In/Out: 1230 / 1400

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	blank	N/A	0.0902	0.0902	
2	North	200	0.0897	0.0893	2.0
3	North	200	0.0913	0.0908	2.5
				North Average TSS	2.25
4	East	200	0.0901	0.0889	6.0
5	East	200	0.0888	0.0877	5.5
				East Average TSS	5.75
8	South	200	0.0894	0.0886	4
9	South	200	0.0911	0.0903	4
				South Average TSS	4

Notes: _____

_____

_____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, mg - Tare Wt, mg) X 1000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 2540 D, page 2-57.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 12 Nov 2003 Revised

N:\Environmental\FACLAB\DIANNES\storm water\TSSSWB.DOC

PERMITTEE NAME [illegible] (Include Facility Name/Location [illegible])

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT [illegible] ELIMINATION SYSTEM (NPDES)
DISCHARGE [illegible] MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	11	1	TO	2007	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-43) MINIMUM	(45-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,326	3,706	m^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--			totalizing recorder	
BOD	SAMPLE MEASUREMENT	28.3	41.8	kg/day	--	8.7	12.7	mg/L		1/ 7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	8.2	10.2	kg/day	--	2.5	3.1	mg/L		1/ 7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			kg/day	--			mg/L			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	kg/day	--	<0.001	<0.001	mg/L		1/ 7	24HC
	PERMIT REQUIREMENT	0.091	0.27		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	23.8	25.5	kg/day	--	7.3	8.5	mg/L		1/ 7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.4	mg/L		1/ 7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Siltronic Corp. by: Koren Gail for Siltronic

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	07	12	11
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

(1) Chrome batches are no longer being treated on site. pH outages: none

KLL:067

SCOEPA00024799

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-18) DISCHARGE NUMBER
101128	Outfall 001

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2007	11	1	TO	2007	11	30

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	AVERAGE	(46-53) MAXIMUM	(54-61) UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	kg/day	--	--	<0.02	mg/L		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					1.0	2.4	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
pH excursions > 60 minutes	SAMPLE MEASUREMENT								0	monthly	
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 Penalties under these statutes are currently [illegible] up to $10,000 per violation Improvement of between 6 months and 5 years.

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 07 MO 12 DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024800

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 002

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	11	1	TO	2007	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (38-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	1,054	1,972	m^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/L		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	07	12	11
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024801

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	11	1	TO	2007	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	AVERAGE	(46-53) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	4,380	5,394	m^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	72.9	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.17	7.35	8.60			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
pH excursions > 60 minutes	SAMPLE MEASUREMENT								0	Daily	average
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [Penalties under these statutes and multiple fines up to $25,000 per violation/day/offense]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 07 MO 12 DAY 11

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024802

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
November-07 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
1	6.9	24.16	2.5	8.8	6.7	23.46	0.408	1.429	0.0005	0.0018	0.000	0.000	0.000	0.000
8	10.7	34.4	2.9	9.3	6.7	21.53	0.129	0.415	0.0005	0.0016	0.000	0.000	0.000	0.000
15	5.8	19.1	3.1	10.2	7.7	25.39	0.117	0.386	0.0005	0.0016	0.000	0.000	0.000	0.000
21	7.3	21.9	2.2	6.6	8.5	25.52	0.118	0.354	0.0005	0.0015	0.000	0.000	0.000	0.000
29	12.7	41.8	1.9	6.3	7.1	23.23	0.175	0.576	0.0005	0.0016	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3502	1	0.9	1	7.9
2	3328	2	1.0	2	8.1
3	3422	3	0.9	3	7.8
4	3354	4	0.9	4	7.9
5	3256	5	1.3	5	7.6
6	3312	6	0.9	6	7.9
7	3278	7	0.9	7	8.1
8	3214	8	0.9	8	7.9
9	3297	9	1.0	9	8.1
10	3430	10	1.0	10	8.2
11	3490	11	0.9	11	8.2
12	3365	12	0.9	12	7.9
13	3373	13	1.0	13	8.2
14	3146	14	1.2	14	7.9
15	3297	15	1.1	15	8.0
16	3706	16	1.0	16	8.3
17	3229	17	1.0	17	8.2
18	3244	18	1.0	18	8.3
19	3305	19	1.6	19	8.4
20	3653	20	0.9	20	8.3
21	3002	21	0.9	21	8.3
22	3581	22	0.9	22	8.2
23	3301	23	1.0	23	8.2
24	3517	24	0.9	24	8.1
25	3335	25	0.9	25	7.9
26	3055	26	0.9	26	8.4
27	2960	27	1.1	27	8.5
28	3286	28	1.1	28	8.3
29	3290	29	0.8	29	8.3
30	3263	30	0.7	30	8.0
31		31		31	
Total:	99793				

(002) DAILY FLOW'S	
Day	M^3
1	731
2	988
3	1972
4	704
5	1033
6	1340
7	727
8	1317
9	704
10	939
11	1211
12	916
13	644
14	1022
15	893
16	916
17	1015
18	1086
19	1181
20	1030
21	1136
22	1056
23	1098
24	1102
25	1015
26	1064
27	1136
28	1227
29	1215
30	1200
31	
Total:	31617

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.217	0.000	0.000
0.061	0.000	0.000
0.091	0.000	0.000
0.074	0.000	0.000
0.086	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	12/14/07	503-243-2020
TYPED OR PRINTED				

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue,
M/S 30
Portland OR 97210-3676,
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

Brian Laurent
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 066.KLL

2007-December-11

November 2007 Industrial Discharge Report

Dear Mr. Laurent,

Enclosed are the November 2007 monthly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosures:
Special Account Meter Report Document
Industrial Wastewater Discharge Self-Monitoring Report

cc: Tom Rothschild
POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15th of the Month following the sampling period.

SAMPLING PERIOD: November 2007

For Industrial Source Control Division Use Only	
Date Postmarked/Received:	Date Entered:
	Entered By:
Comments:	

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE		pH METER BRAND			pH METER MODEL		pH Discharge Limits
#1B (Fab 2)		Orion			720A		5.0 - 11.5 S.U.
Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration Date	pH Meter Calibration Buffer used	COMMENTS
15 Nov 2007	1325	9.4 SU	YES	(NO)	15 Nov 2007	7.0 and 10.0	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
November 2007		No Excursions		YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Lail for Siltronic Date: 12/11/07

SCOEPA00024805

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

November-07

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	647,823	100s of GALLONS)
CURRENT READING	109367	837,181	100s of GALLONS)
CONSUMPTION	0	189,358	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,893,580		(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,893,580	* 10 GAL / 7.48 GAL/CF =	2,531,524 CF
TOTAL THROUGH OVERFL(	0	* 10 GAL / 7.48 GAL/CF =	0 CF
TOTAL CONSUMPTION			2,531,524 CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	2,867,844	(10s of GALLONS)
CURRENT READING	2,911,820	(10s of GALLONS)
CONSUMPTION	43,976	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	43,976	* 10 GAL / 7.48 GAL/CF=	58,791 CF

This meter reading was reported by: C. Justin Darr on 11/30/07
C. Justin Darr — date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Brian Laurent
Portland, Oregon 97203-5452

SCOEPA00024806

siltronic
perfect silicon solutions

Koreen Lail
Environmental Affairs

Siltronic Corporation
7200 NW Front Avenue, MS-30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

CERTIFIED MAIL

ER064: KL

Oregon Department of Environmental Quality
Northwest Region
2020 SW Fourth Avenue, Suite 400
Portland, OR 97201-4987

2007-11-30

RE: Veolia ES Technical Solutions, LLC Manifest #000127868-VES Generator Copy

On October 16, 2007, Siltronic Corporation shipped hazardous waste to Veolia's Phoenix, AZ facility (EPA ID #AZ000337360) under manifest #000127868-VES. On November 16, 2007, we notified Diana McGee, Technical Service Representative, at Veolia that we had not yet received a copy of the signed return manifest. We were told that the manifest was in transit and that she would get it to us as soon as it was received at the facility.

By November 27, 2007, Siltronic still had not received the return manifest so we emailed, and left a phone message, with Diana to ascertain the status of the shipment and manifest. Eric Feist, Account Manager, at Veolia, returned our call on November 29th and informed us that the shipment had been included with the universal waste at their 10 day storage area and that the shipment would be delivered to the Veolia Phoenix facility on December 3, 2007. He also told us that he would contact your office and give you a more detailed explanation of what happened.

Attached is the manifest and email correspondence.

Please feel free to call me if you have any questions.

Best regards,

Siltronic Corporation

Koreen Lail
Environmental Affairs

CC: Tom McCue, Siltronic Corporation
Eric Feist, Account Manager, Veolia
Joe Jordan, Regional Sales Manager, Veolia

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: ORD098253737
2. Page 1 of: 1
3. Emergency Response Phone: (877) 818-0087
4. Manifest Tracking Number: 000127868 VES

GENERATOR

5. Generator's Name and Mailing Address:
SILTRONIC CORPORATION
7200 NW FRONT AVE
MAILBOX 30
PORTLAND, OR 97210-3676
Generator's Phone: 503 219-7632

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: NJD080631369

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
VEOLIA ES TECHNICAL SOLUTIONS
5736 WEST JEFFERSON STREET
PHOENIX, AZ 85043
Facility's Phone: 602 233-2955
U.S. EPA ID Number: AZ0000337360

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	RQ, BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE, (UNIVERSAL WASTE), 8, UN2794, III, (LEAD)	+3	DF	150	P	NONE
X	BATTERIES, DRY, CONTAINING POTASSIUM HYDROXIDE SOLID, ELECTRIC, STORAGE, (UNIVERSAL WASTE), 8, UN3028, III	3	DF	154	P	NONE
X	RQ, HAZARDOUS WASTE, SOLID, n.o.s., (MERCURY), 9, NA3077, III, (D009)	1	DF	10	P	D009
	4.	~~3~~				

14. Special Handling Instructions and Additional Information
1) ERG:154 W:17456 A:SLM 344722 2) ERG:154 W:17451 A:SLM 344721 3) ERG:171 W:17457 A:SLM 344724 + ER Service Contracted by VESTS

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Koreen Lail
Signature:
Month: 10 Day: 16 Year: 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Tyler Nisby
Signature:
Month: 10 Day: 16 Year: 07

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

SCOEPA00024808

Lail, Koreen

From: Lail, Koreen
Sent: Friday, November 16, 2007 8:54 AM
To: 'Diana.McGee@veoliaes.com'
Subject: RE: manifest status

Hi Diana,

Thank you for the manifest and for keeping an eye out. We start getting nervous about them when they get to the 30 day point.

Thanks again.
Koreen

-----Original Message-----
From: Diana.McGee@veoliaes.com [mailto:Diana.McGee@veoliaes.com]
Sent: Friday, November 16, 2007 8:21 AM
To: Lail, Koreen
Subject: Re: manifest status

Good morning Koreen.

Attached is the receipt manifest for 000127866VES. Manifest 000127868VES is currently in transit. I will keep my eye on the remaining manifest and get it to you as soon as it get received at the facility.
(See attached file: SILTRONIC MANIFEST.pdf)

Diana McGee
Technical Service Representative
Veolia ES Technical Solutions, L.L.C.
5720C NE 121st Avenue, Suite 105
Vancouver, WA 98682-6244
P: 360.260.0882
F: 360.260.9018
E: diana.mcgee@veoliaes.com
www.VeoliaES.com

Please note new email address:
diana.mcgee@veoliaes.com

I

"Lail, Koreen"
<Koreen.Lail@siltronic.com>

11/16/2007 07:56 AM

To: <Diana.McGee@veoliaes.com>
cc:
Subject: manifest status

Hello Diana,

SCOEPA00024809

Happy Friday. I hope that you are feeling better.

I have not gotten back the signed manifests #000127868VES and #000127866VES shipped 10/16. Could you please check on their status?

Thank you.

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW front Ave.
Portland, OR 97210
Phone 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

This communication and any files or attachments transmitted with it may contain information that is copyrighted or confidential and exempt from disclosure under applicable law. It is intended solely for the use of the individual or the entity to which it is addressed.
If you are not the intended recipient, you are hereby notified that any use, dissemination, or copying of this communication is strictly prohibited.
If you have received this communication in error, please notify us at once so that we may take the appropriate action and avoid troubling you further.

Thank you for your cooperation. Please contact your local IT staff or email info@siltronic.com if you need assistance.

Lail, Koreen

From: Lail, Koreen
Sent: Tuesday, November 27, 2007 10:48 AM
To: Diana.McGee@veoliaes.com
Subject: missing manifest

Hello Diana,

I still have not received the signed manifest #127868 that was shipped out on October 16th. Could you please check on the status for me?

Thank you.

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW front Ave.
Portland, OR 97210
Phone 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-18)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	10	1	TO	2007	10	31
	(18-21)	(22-23)	(24-25)		(26-29)	(30-31)	

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(5-8) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (32-37) MINIMUM	(38-45) AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,408	3,929	m^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	9.9	14.9	kg/day	--	2.9	4.5	mg/L		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	4.9	7.1	kg/day	--	1.4	2.0	mg/L		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			kg/day	--			mg/L			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	kg/day	--	<0.001	<0.001	mg/L		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	28.8	32.3	kg/day	--	8.5	10.0	mg/L		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/L		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 07 | MO 11 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
(1) Chrome batches are no longer being treated on site. pH outages: pH of 5.88 for 5 mins.

KL:060

SCOEPA00024812

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	10	1	TO	2007	10	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	AVERAGE	(46-53) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	kg/day	--	--	<0.02	mg/L		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					0.8	1.7	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
pH excursions > 60 minutes	SAMPLE MEASUREMENT								0	monthly	
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020
DATE: YEAR 07 | MO 11 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024813

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-18) DISCHARGE NUMBER
101128	Outfall 002

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	200	10	1	TO	200	10	31
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(1 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	(54-61) MAXIMUM	UNITS	(1 Card Only) QUALITY OR CONCENTRATION (62-67) MINIMUM	(68-73) AVERAGE	(74-81) MAXIMUM	UNITS	NO. EX (82-83)	FREQUENCY OF ANALYSIS (84-88)	SAMPLE TYPE (89-70)
MV-3 Flow	SAMPLE MEASUREMENT	1,034	1,389	m^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.3	0.5	mg/L		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes are subject [illegible] up to $10,000 per violation. Enforcement of federal statutes may also involve criminal penalties.)

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 07 MO 11 DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024814

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-18)
101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	10	1	TO	200	10	31
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (38-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	4,442	5,152	m^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	74.1	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	5.88	7.29	8.87			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
pH excursions > 60 minutes	SAMPLE MEASUREMENT								0	Daily average	
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1 001 AND 33 USC 1 319 [illegible]

Siltronic Corp by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 07 MO 11 DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024815

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
October-07 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
4	2.1	7.39	2.0	7.0	8.0	28.02	0.100	0.352	0.0005	0.0018	0.000	0.000	0.000	0.000
11	1.0	3.2	0.5	1.6	10.0	32.28	0.176	0.570	0.0005	0.0016	0.000	0.000	0.000	0.000
18	4.0	14.9	1.9	7.1	8.7	32.31	0.154	0.572	0.0005	0.0019	0.000	0.000	0.000	0.000
25	4.5	14.0	1.3	4.1	7.3	22.62	0.165	0.515	0.0005	0.0016	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3608	1	0.7	1	8.3
2	3464	2	0.6	2	8.1
3	3392	3	0.7	3	8.1
4	3521	4	0.6	4	8.1
5	3865	5	0.6	5	8.0
6	2900	6	0.9	6	7.7
7	3487	7	0.6	7	7.7
8	3627	8	0.6	8	7.8
9	3498	9	0.6	9	7.9
10	3415	10	0.6	10	8.1
11	3240	11	0.6	11	7.8
12	3490	12	0.7	12	7.8
13	3025	13	0.6	13	7.7
14	3593	14	0.7	14	7.7
15	3664	15	0.5	15	7.5
16	3475	16	0.8	16	8.0
17	3585	17	0.9	17	8.0
18	3714	18	0.7	18	8.0
19	3259	19	0.8	19	8.2
20	3683	20	0.8	20	8.3
21	3502	21	0.8	21	8.4
22	3028	22	1.0	22	8.1
23	3051	23	0.9	23	7.6
24	3150	24	1.0	24	8.0
25	3119	25	0.9	25	8.3
26	3286	26	0.8	26	8.1
27	3104	27	0.9	27	8.1
28	3301	28	0.9	28	8.0
29	3335	29	0.8	29	8.4
30	3339	30	0.9	30	7.8
31	3929	31	0.7	31	7.7
Total:	105649				

(002) DAILY FLOW'S	
Day	M^3
1	859
2	943
3	1052
4	1030
5	1287
6	1079
7	1071
8	1155
9	950
10	1128
11	1049
12	954
13	852
14	1131
15	1045
16	1083
17	1049
18	1052
19	731
20	943
21	1166
22	1121
23	1196
24	1174
25	1177
26	1389
27	496
28	1098
29	1075
30	984
31	731
Total:	32048

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.174	0.000	0.000
0.503	0.000	0.000
0.237	0.000	0.000
0.144	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		11/12/07	503-243-2020
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024816

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue,
M/S 30
Portland OR 97210-3676,
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

ER: 059.KLL

Brian Laurent
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

2007-November-12

October 2007 Industrial Discharge Report

Dear Mr. Laurent,

Enclosed are the October 2007 monthly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

On October 22, 2007, the stormwater line that discharges to outfall #3 was cleaned. During the cleaning process, the standing stormwater was collected and put into Siltronic's WWTP diversion tank and on October 23rd was sent to the Organic Waste Water (OWW) treatment system, which, after treatment, goes to the city's WWTP.

The process of sending the stormwater from the WWTP diversion tank to the OWW treatment system lasted a total 6 hours beginning at 4:00 p.m. and ending at 10 p.m. The total flow for that period was estimated to be 20,053 CF. An automatic sampler was set up to take samples throughout the duration of the discharge. All parameters were within specifications. (See table below and attached analytical/bench sheets.)

Parameter	Local Limit *Daily*	Categorical Limit *Daily*	Categorical Limit *Monthly*	Billing Threshold	Diversion *Sampling Results*
Total Suspended Solids (TSS)	na	na	na	350 mg/L	65.25 mg/L
Total Dissolved Solids (TDS)	1721 lbs/day	na	na	na	150 mg/L
Fluoride (Total) (F)	na	na	na	na	.4 mg/L
Arsenic (Total) (Ar)	0.2 mg/L	2.09 mg/L	0.83 mg/L	na	ND

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosures:
Special Account Meter Report Document
Industrial Wastewater Discharge Self-Monitoring Report
OWW composite bench sheets/analytical
cc: Tom Rothschild/ POTW-IDR File

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15th of the Month following the sampling period.

SAMPLING PERIOD:

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By
Comments	

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE		pH METER BRAND			pH METER MODEL		pH Discharge Limits
#1B (Fab 2)		Orion			720A		5.0 - 11.5 S.U.
Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration Date	pH Meter Calibration Buffer used	COMMENTS
10/16/07	1300	9.9 SU	YES	NO	10/16/07	7.0 and 10.0	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
				YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Said for Siltronic Date: 11/12/07

N:\Environmental\FACLAB\WWTP\BES Monthly Reports\pH Self Monitoring Report Blank .doc

SCOEPA00024818

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

October-07

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	470,835	100s of GALLONS)
CURRENT READING	109367	647,823	100s of GALLONS)
CONSUMPTION	0	176,988	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION		1,769,880	10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,769,880	* 10 GAL / 7.48 GAL/CF =	2,366,150 CF
TOTAL THROUGH OVERFL(	0	* 10 GAL / 7.48 GAL/CF =	0 CF
TOTAL CONSUMPTION			2,366,150 CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	2,810,679	(10s of GALLONS)
CURRENT READING	2,867,844	(10s of GALLONS)
CONSUMPTION	57,165	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	57,165	* 10 GAL / 7.48 GAL/CF=	76,424 CF

This meter reading was reported by: C. Justin Darr on 11/8/07
date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Brian Laurent
Portland, Oregon 97203-5452

SCOEPA00024819

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 10.25.07 Oven Temp: 107 C Analyst: DI

Date In: 10.25.07 Time In/Out: 1030 / 1345

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0902	0.0902	
2	CE	500	0.0900	0.0893	1.4
3	CE	500	0.0893	0.0887	1.2
				Average CE TSS	1.3
4	OWW	200	0.0966	0.0893	36.5
5	OWW	200	0.0970	0.0892	39.0
				Average OWW TSS	37.75
(1) 6	OWW	200	0.1023	0.0896	63.5
(1) 7	OWW	200	0.1022	0.0888	67.0
				Average TSS	65.25
				Average TSS	

Comments: (1) OWW 6hr composite - 10/22/07 10/23/07 1600 to 2200 -

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 2005, 21st Edition, Section 2540 D, page 2-58.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 01 Jun 2007 Revised

SCOEPA00024820

BENCHSHEET

FLUORIDE ANALYSIS

Test Date: 10·25·07 Sample Date: 10·25·07 Analyst: Di

Slope: -54.4 (Range: -54 to -60 mV)

Standards:

1.0 mg/L: Lot #: A7039 Date Opened: 10/16/07

10.0 mg/L: Lot #: A7222 Date Opened: 10/16/07

Data:

Sample	Fluoride, mg/L
CE	7.25
OWW ①	0.4

Quality Control: Spike each of the above samples with 0.1 ml of 1000 mg/L Standard. The Fluoride concentration should increase by 2.0 mg/L.
Manufacturer: Ricca
Lot Number: 1707358

_ CE

After Spike Concentration: 9.23 mg/L 2.2 mg/L _____ mg/L

Recovery: 99 % 90 % _____ %

% Recovery acceptable range: 80 - 120%

Comments: ① OWW 6 hr composite - ~~10/22/07~~ 10/23/07 Di ~~0600 to~~ 1600 to 2200, Di

Note: NPDES permit: monthly avg. 17.4 mg/L, daily max. 32 mg/L.

References:
1. Standard Methods For The Examination of Water And Wastewater, 1998 20th Edition, Section 4500-F C, page 4-81.
2. Orion Research Manual for the Fluoride Electrode, Model 940900, 1991.
3. NPDES Permit #101128.

TJR 06 Apr 1987
DEM 09 Mar 2004 Revised

N:\Environmental\FACLAB\WWTP\BENCH\Fluoridb.doc

BENCHSHEET

TOTAL DISOLVED SOLIDS (TDS)

Sample Date: 10.23.07 **Date In:** 10.25.07 **Analyst:** DJ

Oven Temp: 178 **Time In/Out:** 1100 / 1400 - 10/26/07

Dish#/Sample	Vol, ml	Dry+dish,mg	Dish , mg	TDS, mg/L
#2/DWW	200	98,840	98,810	150 mg/L

Notes: DWW 6hr (composite) sample from Storm Water line maint. waste to DWW - Actual sample time ~~10/22/07~~ 10/23/07 1600 to 2200

Calculation: TDS, mg/L = $\frac{(A - B) \times 1000}{\text{Volume of Sample, ml}}$

Where:

A = Weight of dried residue + dish mg
B = Weight of dish, mg

Reference: Standard Methods for the Examination of Water and Wastewater, 1995, 19th Edition, Section 2540 C, page 2-55.

TJR 21 Mar 87
DEM 02 Oct 97 Revised

N:\Environmental\FACLAB\WWTP\BENCH\TDS1B.DOC

SCOEPA00024822

Specialty Analytical

19761 S.W. 95th Avenue
Tualatin, OR 97062
(503) 612-9007
Fax (503) 612-8572
1 (877) 612-9007

October 30, 2007

Thomas Rothschild
Siltronic Corporation
7200 NW Front Ave
M/S 30
Portland, OR 97210

TEL: (503) 219-7313
FAX (503) 219-7599

RE: 07-133

Dear Thomas Rothschild:

Order No.: 0710167

Specialty Analytical received 1 sample on 10/25/2007 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

Ned Engleson
Project Manager

Technical Review

SCOEPA00024823

Specialty Analytical

Date: *30-Oct-07*

CLIENT:	Siltronic Corporation	**Lab Order:**	0710167
Project:	07-133		

Lab ID:	0710167-01	**Collection Date:**	10/23/2007 10:00:00 PM
Client Sample ID:	07-133	**Matrix:**	WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS BY ICP/MS	**200.8**					Analyst: **zau**
Arsenic	ND	1.00		ug/L	1	10/26/2007 2:47:00 PM

SCOEPA00024824

Specialty Analytical

Date: *30-Oct-07*

CLIENT: Siltronic Corporation
Work Order: 0710167
Project: 07-133

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8

Sample ID	MBLK-19806	SampType:	MBLK	TestCode:	200.8	Units:	ug/L	Prep Date:	10/26/2007	Run ID:	ICPMS_071026A
Client ID:	ZZZZZ	Batch ID:	19806	TestNo:	200.8			Analysis Date:	10/26/2007	SeqNo:	499886

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.00									

Sample ID	LCS-19806	SampType:	LCS	TestCode:	200.8	Units:	ug/L	Prep Date:	10/26/2007	Run ID:	ICPMS_071026A
Client ID:	ZZZZZ	Batch ID:	19806	TestNo:	200.8			Analysis Date:	10/26/2007	SeqNo:	499887

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	49.69	1.00	50	0	99.4	85	115	0	0		

Sample ID	0710166-01AMS	SampType:	MS	TestCode:	200.8	Units:	ug/L	Prep Date:	10/26/2007	Run ID:	ICPMS_071026A
Client ID:	ZZZZZ	Batch ID:	19806	TestNo:	200.8			Analysis Date:	10/26/2007	SeqNo:	499891

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	51.73	1.00	50	0.2543	103	70	130	0	0		

Sample ID	0710166-01AMSD	SampType:	MSD	TestCode:	200.8	Units:	ug/L	Prep Date:	10/26/2007	Run ID:	ICPMS_071026A
Client ID:	ZZZZZ	Batch ID:	19806	TestNo:	200.8			Analysis Date:	10/26/2007	SeqNo:	499892

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	51.25	1.00	50	0.2543	102	70	130	51.73	0.932	20	

Sample ID	0710166-01ADUP	SampType:	DUP	TestCode:	200.8	Units:	ug/L	Prep Date:	10/26/2007	Run ID:	ICPMS_071026A
Client ID:	ZZZZZ	Batch ID:	19806	TestNo:	200.8			Analysis Date:	10/26/2007	SeqNo:	499890

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.1431	1.00	0	0	0	0	0	0.2543	0	20	J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024825

CLIENT: Siltronic Corporation
Work Order: 0710167
Project: 07-133

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8

Sample ID: CCV	SampType: CCV	TestCode: 200.8	Units: ug/L	Prep Date:	Run ID: ICPMS_071026A
Client ID: ZZZZZ	Batch ID: 19806	TestNo: 200.8		Analysis Date: 10/26/2007	SeqNo: 499888

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	48.52	1.00	50	0	97	90	110	0	0		

Sample ID: CCV	SampType: CCV	TestCode: 200.8	Units: ug/L	Prep Date:	Run ID: ICPMS_071026A
Client ID: ZZZZZ	Batch ID: 19806	TestNo: 200.8		Analysis Date: 10/26/2007	SeqNo: 499894

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	48.26	1.00	50	0	96.5	90	110	0	0		

Sample ID: ICV	SampType: ICV	TestCode: 200.8	Units: ug/L	Prep Date:	Run ID: ICPMS_071026A
Client ID: ZZZZZ	Batch ID: 19806	TestNo: 200.8		Analysis Date: 10/26/2007	SeqNo: 499885

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	48.54	1.00	50	0	97.1	90	110	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024826

KEY TO FLAGS

A	This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards.
A1	This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
A2	This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
A3	The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
B	The blank exhibited a positive result greater than the reporting limit for this compound.
CN	See Case Narrative.
D	Result is based from a dilution.
E	Result exceeds the calibration range for this compound. The result should be considered as estimate.
F	The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
H	Sample was analyzed outside recommended hold time.
HT	At clients request, sample was analyzed outside recommended hold time.
J	The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
K	Diesel result is biased high due to amount of Oil contained in the sample.
L	Diesel result is biased high due to amount of Gasoline contained in the sample.
M	Oil result is biased high due to amount of Diesel contained in the sample.
N	Gasoline result is biased high due to amount of Diesel contained in the sample.
MC	Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
MI	Result is outside control limits due to matrix interference.
MSA	Value determined by Method of Standard Addition.
O	Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
P	Detection levels of Methylene Chloride may be laboratory contamination, due to previous analysis or background levels.
Q	Detection levels elevated due to sample matrix.
R	RPD control limits were exceeded.
RF	Duplicate failed due to result being at or near the method-reporting limit.
RP	Matrix spike values exceed established QC limits, post digestion spike is in control.
S	Recovery is outside control limits.
SC	Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
*	The result for this parameter was greater that the maximum contaminant level of the TCLP regulatory limit.

Rev Dec 15, 2004

CHAIN OF CUSTODY RECORD

Page ___ of ___

Specialty Analytical
19761 S.W. 95th. Avenue
Tualatin, OR 97062
(503) 612-9007 - Phone
(503) 612-8572 - Fax

Contact Person/Project Manager: Thomas J. Rothschild
Company: Siltronic Corporation
Address: 7200 N.W. Front Avenue
Portland, Oregon 97210
Phone: 503-219-7374 Fax: 503-219-4144
Project No.: 07-133 Project Name: —
Invoice To: Accounts Payable P.O. No.: 4500521869

Collected By:
Signature: Thomas J. Rothschild
Printed: Thomas J. Rothschild

Signature: _____
Printed: _____

Turn Around Time
~~Normal~~ Di
~~Rush~~ November 5th, 2007
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No.: 0710164
Shipped Via: Specialty
Air Bill No.: —
Temperature On Receipt: Amb °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	Analyses: Arsenic	Comments	Lab I.D.
23Oct2007	2200	07-133	Water	1	X		

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Company: Siltronic	10/25/07	1130	Company: Specialty	Company:		

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.
Copies: White-Original Yellow-Project File Pink-Customer Copy

Received For Lab By: Nikki Dilton Date: 10/25/07 Time: 1239

SCOEPA00024828

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7994
Fax 503-219-7599
Koreen.lail@siltronic.com

KLL: 058

DEQ Lab
1712 SW 11th Ave.
Portland, OR 97201

ATTN: QA Chemist

November 9, 2007

Inter-Laboratory Split Comparison

To Whom it May Concern:

Enclosed are the source sample results that were taken on 10/11/2007 for the Inter-Laboratory Split Comparison. While the M8240 was listed as part of the required testing, upon conversations in 2006 with Dan Hickman from DEQ, and with Brian Cone from Test America, the M8240 test has been changed to the M8260. Additionally, as part of our normal procedure for monthly sampling we also ran the 608, 624, and 625 methods.

The lab notated the following two deviations from the method control limits:

1. The percent recovery for Hexachloroethane and p-Cresol in the LCS for Semi-Volatile Organics by EPA 625 exceeded method specified control limits (low recovery). All other QC parameters were in control.

2. One of the Glucose/Glutamic Acid control samples for BOD exceeded control limits (low demand). The other was in control and BOD results do not appear impacted based on consistency with past results.

If you have any questions, please contact me.

Best regards,

Koreen Lail
Environmental Affairs
Siltronic Corporation

Enclosures:
Analytical report
Inter-laboratory split comparison form

cc: Tom Rothschild
DMR File

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY

Inter-Laboratory Split Comparison DEQ Case Number: _____

Source Name: SiTronic Corporation USA
Contact Person: Thomas Rothschild
Address: 7200 N.W. Front Avenue
Collected By: Dianne Irish

Sample Date: 11 Oct 2007
Phone: (503) 219-7374
Region/Division: _____

Analysis ♠	FIELD MEASUREMENTS♣			SOURCE SAMPLE RESULTS					DEQ LAB RESULTS				
	Sample A	Sample B	Sample C	Sample A	Sample B	Sample C	Sample D	Date/Time Analysis set up	Sample A	Sample B	Sample C	Sample D	Date/Time Analysis set up
pH				7.1									
TSS				0.5 mg/L									
F				10.0 mg/L									
PO_4				0.18 mg/L									
Cr				<1.0 ug/L									
As				<1.0 ug/L									
BOD				<2.0 mg/L									
EPA 8260				<50 ug/L									
8270				<10 ug/L									

Sample	Sample point description ♠ (ie. Effluent comp.).	Container number	
		SOURCE	DEQ ♠
A		Combined Effluent	
B			
C			
D			

Fill in your split sample results and mail to:

DEQ Lab
1712 SW 11th Ave.
Portland, OR 97201
Attn: QA Chemist

Shaded area for DEQ use.
♣DEQ sampler enter your field measurements, if taken; indicate whether they are estimates.
♠DEQ sampler is responsible for completing this column.

Need assistance with this form? Contact the QA chemist at (503) 229-5983.

SCOEPA00024830

DEPARTMENT OF ENVIRONMENTAL QUALITY
Laboratory Division

Survey: Siltronic
Sampling Subproject (fund code): 37423
Collected by: Elliot Zais VOC

Sampling Event #:
Date Received in Lab: 11th Oct 2007
Date Reported:
Report Data to: Elliot Zais 503/229-5292

Item #	LASAR # (required)	SITE NAME lat/long (in decimal degrees)*	Nutrient Basic	DO BOD	~~Metals~~ Organics		Date Time	Temp (Deg. C)	pH (SU)	Cond. (Umhos/cm)	Elev RM	Tests Required
1	28999	Outfall No 1 Grab combined effluent of WWTP			B03049 A+B		11th Oct 2007					M 8270
					X7558		1315					M 8240
2	28999	"			B03050 A+B		11 Oct					"
					X7559		1317					
3	28999	"			B03052 A+B		11 Oct					"
			12 drops H_2SO_4		X7557		1319					
4	28999	Outfall No 1 24 hr C combined effluent of WWTP	R 976		TM0006		11 Oct					BOD, SS, F, pH Total phosphate Total chrome
			STP 377		25 drops HNO3		1325					
5												
6												
7												

* lat/long only required if station is new

Comments: SPLIT sample

LEGAL SAMPLE: Chain of Custody Record

Total # of containers received: ____ Initial placement in refrigerator #: ____

Relinquished by: ____ Received By: ____

Date/Time: Date/Time:

Meter #'s:

03-LAB-0001-FORM

SCOEPA00024831

Specialty Analytical

19761 S.W. 95th Avenue
Tualatin, OR 97062
(503) 612-9007
Fax (503) 612-8572
1 (877) 612-9007

October 22, 2007

Thomas Rothschild
Siltronic Corporation
7200 NW Front Ave
M/S 30
Portland, OR 97210

TEL: (503) 219-7313
FAX: (503) 219-7599

RE: Monthly
Order No.: 0710073

Dear Thomas Rothschild:

Specialty Analytical received 2 samples on 10/11/2007 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

Ned Engleson
Project Manager

Technical Review

SCOEPA00024832

Specialty Analytical

Date: *22-Oct-07*

CLIENT: Siltronic Corporation
Project: Monthly
Lab Order: 0710073

CASE NARRATIVE

The percent recovery for Hexachloroethane and p-Cresol in the LCS for Semi-Volatile Organics by EPA 625 exceeded method specified control limits (low recovery). All other QC parameters were in control.

One of he Glucose/Glutamic Acid control samples for BOD exceeded control limits (low demand). The other was in control and BOD results do not appear impacted based on consistency with past results.

SCOEPA00024833

Specialty Analytical

Date: *22-Oct-07*

CLIENT:	Siltronic Corporation	**Client Sample ID:**	07-130-CE-C
Lab Order:	0710073	**Collection Date:**	10/11/2007 1:25:00 PM
Project:	Monthly		
Lab ID:	0710073-01	**Matrix:**	WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS BY ICP/MS		**200.8**				Analyst: **zau**
Arsenic	ND	1.00		ug/L	1	10/16/2007 11:26:00 AM
Chromium	ND	1.00		ug/L	1	10/16/2007 11:26:00 AM
BIOLOGICAL OXYGEN DEMAND- 5 DAY		**E405.1**				Analyst: **sub**
Biochemical Oxygen Demand	ND	2.00		mg/L	1	10/12/2007

SCOEPA00024834

Specialty Analytical

Date: *22-Oct-07*

CLIENT:	Siltronic Corporation	**Client Sample ID:**	07-126-CE-g
Lab Order:	0710073	**Collection Date:**	10/11/2007 1:20:00 PM
Project:	Monthly		
Lab ID:	0710073-02	**Matrix:**	WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BASE/NEUTRALS/ACIDS		**E625**				Analyst: **bda**
1,2,4-Trichlorobenzene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
1,2-Dichlorobenzene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
1,2-Diphenylhydrazine	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
1,3-Dichlorobenzene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
1,4-Dichlorobenzene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
2,4,6-Trichlorophenol	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
2,4-Dichlorophenol	ND	9.52		µg/L	1	10/12/2007 12:32:00 PM
2,4-Dimethylphenol	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
2,4-Dinitrophenol	ND	9.52		µg/L	1	10/12/2007 12:32:00 PM
2,4-Dinitrotoluene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
2,6-Dinitrotoluene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
2-Chloronaphthalene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
2-Chlorophenol	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
2-Nitrophenol	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
3,3'-Dichlorobenzidine	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
4,6-Dinitro-2-methylphenol	ND	9.52		µg/L	1	10/12/2007 12:32:00 PM
4-Bromophenyl phenyl ether	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
4-Chloro-3-methylphenol	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
4-Chlorophenyl phenyl ether	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
4-Nitrophenol	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Acenaphthene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Acenaphthylene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Aniline	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Anthracene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Benz(a)anthracene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Benzidine	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Benzo(a)pyrene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Benzo(b)fluoranthene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Benzo(g,h,i)perylene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Benzo(k)fluoranthene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Benzoic Acid	ND	19.0		µg/L	1	10/12/2007 12:32:00 PM
Bis(2-chloroethoxy)methane	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Bis(2-chloroethyl)ether	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Bis(2-chloroisopropyl)ether	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Bis(2-ethylhexyl)phthalate	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Butyl benzyl phthalate	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Carbazole	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Chrysene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Di-n-butyl phthalate	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Di-n-octyl phthalate	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Dibenz(a,h)anthracene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM

SCOEPA00024835

Specialty Analytical

Date: *22-Oct-07*

CLIENT:	Siltronic Corporation	**Client Sample ID:**	07-126-CE-g
Lab Order:	0710073	**Collection Date:**	10/11/2007 1:20:00 PM
Project:	Monthly		
Lab ID:	0710073-02	**Matrix:**	WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
BASE/NEUTRALS/ACIDS		**E625**				Analyst: **bda**
Diethyl phthalate	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Dimethyl phthalate	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Fluoranthene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Fluorene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Hexachlorobenzene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Hexachlorobutadiene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Hexachlorocyclopentadiene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Hexachloroethane	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Indeno(1,2,3-cd)pyrene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Isophorone	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
N-Nitrosodi-n-propylamine	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
N-Nitrosodimethylamine	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
N-Nitrosodiphenylamine	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Naphthalene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Nitrobenzene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
o-Cresol	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
p-Cresol	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Pentachlorophenol	ND	9.52		µg/L	1	10/12/2007 12:32:00 PM
Phenanthrene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Phenol	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Pyrene	ND	4.76		µg/L	1	10/12/2007 12:32:00 PM
Pyridine	ND	9.52		µg/L	1	10/12/2007 12:32:00 PM
Surr: 2,4,6-Tribromophenol	79.3	33.1-99.7		%REC	1	10/12/2007 12:32:00 PM
Surr: 2-Fluorobiphenyl	47.0	33.1-96.2		%REC	1	10/12/2007 12:32:00 PM
Surr: 2-Fluorophenol	39.9	13.4-57.1		%REC	1	10/12/2007 12:32:00 PM
Surr: 4-Terphenyl-d14	84.2	41-122		%REC	1	10/12/2007 12:32:00 PM
Surr: Nitrobenzene-d5	62.6	28.9-99.9		%REC	1	10/12/2007 12:32:00 PM
Surr: Phenol-d6	28.5	10.6-38.5		%REC	1	10/12/2007 12:32:00 PM
SEMIVOLATILE ORGANICS BY GC/MS		**SW8270D**				Analyst: **bda**
1,2,4-Trichlorobenzene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
1,2-Dichlorobenzene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
1,3-Dichlorobenzene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
1,4-Dichlorobenzene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
2,4,5-Trichlorophenol	ND	4.76		ug/L	1	10/12/2007 12:32:00 PM
2,4,6-Trichlorophenol	ND	4.76		ug/L	1	10/12/2007 12:32:00 PM
2,4-Dichlorophenol	ND	2.86		ug/L	1	10/12/2007 12:32:00 PM
2,4-Dimethylphenol	ND	2.86		ug/L	1	10/12/2007 12:32:00 PM
2,4-Dinitrophenol	ND	9.52		ug/L	1	10/12/2007 12:32:00 PM
2,4-Dinitrotoluene	ND	4.76		ug/L	1	10/12/2007 12:32:00 PM
2,6-Dinitrotoluene	ND	4.76		ug/L	1	10/12/2007 12:32:00 PM

SCOEPA00024836

Specialty Analytical

Date: *22-Oct-07*

CLIENT:	Siltronic Corporation	**Client Sample ID:**	07-126-CE-g
Lab Order:	0710073	**Collection Date:**	10/11/2007 1:20:00 PM
Project:	Monthly		
Lab ID:	0710073-02	**Matrix:**	WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS BY GC/MS		**SW8270D**				Analyst: **bda**
2-Chloronaphthalene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
2-Chlorophenol	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
2-Methylnaphthalene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
2-Methylphenol	ND	1.90		ug/L	1	10/12/2007 12:32:00 PM
2-Nitroaniline	ND	4.76		ug/L	1	10/12/2007 12:32:00 PM
2-Nitrophenol	ND	4.76		ug/L	1	10/12/2007 12:32:00 PM
3,3'-Dichlorobenzidine	ND	4.76		ug/L	1	10/12/2007 12:32:00 PM
3-&4-Methylphenol	ND	9.52		ug/L	1	10/12/2007 12:32:00 PM
3-Nitroaniline	ND	5.71		ug/L	1	10/12/2007 12:32:00 PM
4,6-Dinitro-2-methylphenol	ND	9.52		ug/L	1	10/12/2007 12:32:00 PM
4-Bromophenyl phenyl ether	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
4-Chloro-3-methylphenol	ND	1.90		ug/L	1	10/12/2007 12:32:00 PM
4-Chloroaniline	ND	2.86		ug/L	1	10/12/2007 12:32:00 PM
4-Chlorophenyl phenyl ether	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
4-Nitroaniline	ND	4.76		ug/L	1	10/12/2007 12:32:00 PM
4-Nitrophenol	ND	4.76		ug/L	1	10/12/2007 12:32:00 PM
Acenaphthene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Acenaphthylene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Anthracene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Benz(a)anthracene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Benzo(a)pyrene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Benzo(b)fluoranthene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Benzo(g,h,i)perylene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Benzo(k)fluoranthene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Benzoic Acid	ND	19.0		ug/L	1	10/12/2007 12:32:00 PM
Benzyl Alcohol	ND	4.76		ug/L	1	10/12/2007 12:32:00 PM
Bis(2-chloroethoxy)methane	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Bis(2-chloroethyl)ether	ND	1.90		ug/L	1	10/12/2007 12:32:00 PM
Bis(2-chloroisopropyl)ether	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Bis(2-ethylhexyl)phthalate	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Butyl benzyl phthalate	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Carbazole	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Chrysene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Di-n-butyl phthalate	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Di-n-octyl phthalate	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Dibenz(a,h)anthracene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Dibenzofuran	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Diethyl phthalate	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Dimethyl phthalate	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Fluoranthene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Fluorene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM

SCOEPA00024837

Specialty Analytical

Date: *22-Oct-07*

CLIENT:	Siltronic Corporation	**Client Sample ID:**	07-126-CE-g
Lab Order:	0710073	**Collection Date:**	10/11/2007 1:20:00 PM
Project:	Monthly		
Lab ID:	0710073-02	**Matrix:**	WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS BY GC/MS		**SW8270D**				Analyst: **bda**
Hexachlorobenzene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Hexachlorobutadiene	ND	1.90		ug/L	1	10/12/2007 12:32:00 PM
Hexachlorocyclopentadiene	ND	4.76		ug/L	1	10/12/2007 12:32:00 PM
Hexachloroethane	ND	1.90		ug/L	1	10/12/2007 12:32:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Isophorone	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
N-Nitrosodi-n-propylamine	ND	1.90		ug/L	1	10/12/2007 12:32:00 PM
N-Nitrosodimethylamine	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
N-Nitrosodiphenylamine	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Naphthalene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Nitrobenzene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Pentachlorophenol	ND	4.76		ug/L	1	10/12/2007 12:32:00 PM
Phenanthrene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Phenol	ND	1.90		ug/L	1	10/12/2007 12:32:00 PM
Pyrene	ND	0.952		ug/L	1	10/12/2007 12:32:00 PM
Pyridine	ND	4.76		ug/L	1	10/12/2007 12:32:00 PM
Surr: 2,4,6-Tribromophenol	83.1	33.1-99.7		%REC	1	10/12/2007 12:32:00 PM
Surr: 2-Fluorobiphenyl	49.1	33.1-96.2		%REC	1	10/12/2007 12:32:00 PM
Surr: 2-Fluorophenol	36.5	13.4-57.1		%REC	1	10/12/2007 12:32:00 PM
Surr: 4-Terphenyl-d14	74.1	41-122		%REC	1	10/12/2007 12:32:00 PM
Surr: Nitrobenzene-d5	63.2	28.9-99.9		%REC	1	10/12/2007 12:32:00 PM
Surr: Phenol-d6	26.7	10.6-38.5		%REC	1	10/12/2007 12:32:00 PM
PURGEABLES		**E624**				Analyst: **bda**
1,1,1-Trichloroethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
2-Butanone	ND	10.0		µg/L	1	10/15/2007 3:46:00 PM
2-Chloroethyl vinyl ether	ND	1.00		µg/L	1	10/17/2007 3:07:00 PM
4-Methyl-2-pentanone	ND	10.0		µg/L	1	10/15/2007 3:46:00 PM
Acrolein	ND	10.0		µg/L	1	10/15/2007 3:46:00 PM
Acrylonitrile	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Benzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM

SCOEPA00024838

Specialty Analytical

Date: *22-Oct-07*

CLIENT:	Siltronic Corporation	**Client Sample ID:**	07-126-CE-g
Lab Order:	0710073	**Collection Date:**	10/11/2007 1:20:00 PM
Project:	Monthly		
Lab ID:	0710073-02	**Matrix:**	WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PURGEABLES		**E624**				Analyst: **bda**
Bromoform	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Bromomethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Chlorobenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Chloroethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Chloroform	2.78	1.00		µg/L	1	10/15/2007 3:46:00 PM
Chloromethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Ethylbenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
m,p-Xylene	ND	2.00		µg/L	1	10/15/2007 3:46:00 PM
Methylene chloride	ND	5.00		µg/L	1	10/15/2007 3:46:00 PM
o-Xylene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Toluene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Trichloroethene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Vinyl chloride	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Surr: 1,2-Dichloroethane-d4	85.2	83.4-126		%REC	1	10/15/2007 3:46:00 PM
Surr: 4-Bromofluorobenzene	90.1	90.9-117	S	%REC	1	10/15/2007 3:46:00 PM
Surr: Dibromofluoromethane	92.1	81.1-112		%REC	1	10/15/2007 3:46:00 PM
Surr: Toluene-d8	113	90-120		%REC	1	10/15/2007 3:46:00 PM
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **bda**
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,1,1-Trichloroethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,2-Dibromoethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,2-Dichloroethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM

SCOEPA00024839

Specialty Analytical

Date: *22-Oct-07*

CLIENT:	Siltronic Corporation	**Client Sample ID:**	07-126-CE-g
Lab Order:	0710073	**Collection Date:**	10/11/2007 1:20:00 PM
Project:	Monthly		
Lab ID:	0710073-02	**Matrix:**	WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **bda**
1,2-Dichloropropane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
2,2-Dichloropropane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
2-Butanone	ND	10.0		µg/L	1	10/15/2007 3:46:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
2-Hexanone	ND	10.0		µg/L	1	10/15/2007 3:46:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
4-Methyl-2-pentanone	ND	20.0		µg/L	1	10/15/2007 3:46:00 PM
Acetone	ND	50.0		µg/L	1	10/15/2007 3:46:00 PM
Acrylonitrile	ND	5.00		µg/L	1	10/15/2007 3:46:00 PM
Benzene	ND	0.300		µg/L	1	10/15/2007 3:46:00 PM
Bromobenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Bromochloromethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Bromoform	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Bromomethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Carbon disulfide	ND	2.00		µg/L	1	10/15/2007 3:46:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Chlorobenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Chloroethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Chloroform	2.78	1.00		µg/L	1	10/15/2007 3:46:00 PM
Chloromethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Dibromomethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Dichlorodifluoromethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Ethylbenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
m,p-Xylene	ND	2.00		µg/L	1	10/15/2007 3:46:00 PM
Methyl tert-butyl ether	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Methylene chloride	ND	20.0		µg/L	1	10/15/2007 3:46:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Naphthalene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
o-Xylene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM

SCOEPA00024840

Specialty Analytical

Date: *22-Oct-07*

CLIENT:	Siltronic Corporation	**Client Sample ID:**	07-126-CE-g
Lab Order:	0710073	**Collection Date:**	10/11/2007 1:20:00 PM
Project:	Monthly		
Lab ID:	0710073-02	**Matrix:**	WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC/MS		**SW8260B**				Analyst: **bda**
sec-Butylbenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Styrene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Tetrachloroethene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Toluene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Trichloroethene	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Trichlorofluoromethane	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Vinyl chloride	ND	1.00		µg/L	1	10/15/2007 3:46:00 PM
Surr: 1,2-Dichloroethane-d4	85.2	72.2-129		%REC	1	10/15/2007 3:46:00 PM
Surr: 4-Bromofluorobenzene	90.1	73.5-125		%REC	1	10/15/2007 3:46:00 PM
Surr: Dibromofluoromethane	92.1	58.8-148		%REC	1	10/15/2007 3:46:00 PM
Surr: Toluene-d8	113	79.8-137		%REC	1	10/15/2007 3:46:00 PM
ORGANOCHLORINE PEST/PCB		**E608**				Analyst: **jrp**
4,4'-DDD	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
4,4'-DDE	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
4,4'-DDT	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
Aldrin	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
alpha-BHC	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
Aroclor 1016	ND	0.955		µg/L	1	10/18/2007 9:53:00 PM
Aroclor 1221	ND	0.955		µg/L	1	10/18/2007 9:53:00 PM
Aroclor 1232	ND	0.955		µg/L	1	10/18/2007 9:53:00 PM
Aroclor 1242	ND	0.955		µg/L	1	10/18/2007 9:53:00 PM
Aroclor 1248	ND	0.955		µg/L	1	10/18/2007 9:53:00 PM
Aroclor 1254	ND	0.955		µg/L	1	10/18/2007 9:53:00 PM
Aroclor 1260	ND	0.955		µg/L	1	10/18/2007 9:53:00 PM
beta-BHC	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
Chlordane	ND	0.955		µg/L	1	10/18/2007 9:53:00 PM
delta-BHC	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
Dieldrin	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
Endosulfan I	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
Endosulfan II	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
Endosulfan Sulfate	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
Endrin	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
Endrin Aldehyde	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
gamma-BHC	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
Heptachlor	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
Heptachlor epoxide	ND	0.0955		µg/L	1	10/18/2007 9:53:00 PM
Toxaphene	ND	0.955		µg/L	1	10/18/2007 9:53:00 PM

SCOEPA00024841

Specialty Analytical

Date: *22-Oct-07*

CLIENT:	Siltronic Corporation	**Client Sample ID:**	07-126-CE-g
Lab Order:	0710073	**Collection Date:**	10/11/2007 1:20:00 PM
Project:	Monthly		
Lab ID:	0710073-02	**Matrix:**	WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PEST/PCB		**E608**				Analyst: **jrp**
Surr: Decachlorobiphenyl	61.5	18.9-133		%REC	1	10/18/2007 9:53:00 PM
Surr: TCMX	70.8	20.8-90.1		%REC	1	10/18/2007 9:53:00 PM

SCOEPA00024842

Specialty Analytical

Date: *22-Oct-07*

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8

Sample ID	MBLK-19698	SampType:	MBLK	TestCode:	200.8	Units:	ug/L	Prep Date:	10/15/2007	Run ID:	ICPMS_071016A
Client ID:	ZZZZZ	Batch ID:	19698	TestNo:	200.8			Analysis Date:	10/16/2007	SeqNo:	497404

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.00									
Chromium	ND	1.00									

Sample ID	LCS-19698	SampType:	LCS	TestCode:	200.8	Units:	ug/L	Prep Date:	10/15/2007	Run ID:	ICPMS_071016A
Client ID:	ZZZZZ	Batch ID:	19698	TestNo:	200.8			Analysis Date:	10/16/2007	SeqNo:	497405

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	48.48	1.00	50	0	97	85	115	0	0		
Chromium	49.15	1.00	50	0	98.3	85	115	0	0		

Sample ID	0710073-01BMS	SampType:	MS	TestCode:	200.8	Units:	ug/L	Prep Date:	10/15/2007	Run ID:	ICPMS_071016A
Client ID:	07-130-CE-C	Batch ID:	19698	TestNo:	200.8			Analysis Date:	10/16/2007	SeqNo:	497409

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	53.28	1.00	50	0.8408	105	70	130	0	0		
Chromium	47.47	1.00	50	0.1932	94.6	70	130	0	0		

Sample ID	0710073-01BMSD	SampType:	MSD	TestCode:	200.8	Units:	ug/L	Prep Date:	10/15/2007	Run ID:	ICPMS_071016A
Client ID:	07-130-CE-C	Batch ID:	19698	TestNo:	200.8			Analysis Date:	10/16/2007	SeqNo:	497410

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	54.12	1.00	50	0.8408	107	70	130	53.28	1.56	20	
Chromium	48.55	1.00	50	0.1932	96.7	70	130	47.47	2.25	20	

Sample ID	0710073-01BDUP	SampType:	DUP	TestCode:	200.8	Units:	ug/L	Prep Date:	10/15/2007	Run ID:	ICPMS_071016A
Client ID:	07-130-CE-C	Batch ID:	19698	TestNo:	200.8			Analysis Date:	10/16/2007	SeqNo:	497408

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.936	1.00	0	0	0	0	0	0.8408	0	20	J

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blan

SCOEPA00024843

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8

Sample ID	0710073-01BDUP	SampType:	DUP	TestCode:	200.8	Units:	ug/L	Prep Date:	10/15/2007	Run ID:	ICPMS_071016A
Client ID:	07-130-CE-C	Batch ID:	19698	TestNo:	200.8			Analysis Date:	10/16/2007	SeqNo:	497408

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.2399	1.00	0	0	0	0	0	0.1932	0	20	J

Sample ID	CCV	SampType:	CCV	TestCode:	200.8	Units:	ug/L	Prep Date:		Run ID:	ICPMS_071016A
Client ID:	ZZZZZ	Batch ID:	19698	TestNo:	200.8			Analysis Date:	10/16/2007	SeqNo:	497411

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	49.95	1.00	50	0	99.9	90	110	0	0		
Chromium	48.82	1.00	50	0	97.6	90	110	0	0		

Sample ID	ICV	SampType:	ICV	TestCode:	200.8	Units:	ug/L	Prep Date:		Run ID:	ICPMS_071016A
Client ID:	ZZZZZ	Batch ID:	19698	TestNo:	200.8			Analysis Date:	10/16/2007	SeqNo:	497403

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	50.08	1.00	50	0	100	90	110	0	0		
Chromium	49.48	1.00	50	0	99	90	110	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024844

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 608_W

Sample ID: MB-19741	SampType: MBLK	TestCode: 608_W	Units: µg/L	Prep Date: 10/18/2007	Run ID: GCK_071018A
Client ID: ZZZZZ	Batch ID: 19741	TestNo: E608		Analysis Date: 10/18/2007	SeqNo: 498429

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	0.100									
4,4'-DDE	ND	0.100									
4,4'-DDT	ND	0.100									
Aldrin	ND	0.100									
alpha-BHC	ND	0.100									
alpha-Chlordane	ND	0.100									
Aroclor 1016	ND	1.00									
Aroclor 1221	ND	1.00									
Aroclor 1232	ND	1.00									
Aroclor 1242	ND	1.00									
Aroclor 1248	ND	1.00									
Aroclor 1254	ND	1.00									
Aroclor 1260	ND	1.00									
beta-BHC	ND	0.100									
Chlordane	ND	1.00									
delta-BHC	ND	0.100									
Dieldrin	ND	0.100									
Endosulfan I	ND	0.100									
Endosulfan II	ND	0.100									
Endosulfan Sulfate	ND	0.100									
Endrin	ND	0.100									
Endrin Aldehyde	ND	0.100									
gamma-BHC	ND	0.100									
gamma-Chlordane	ND	0.100									
Heptachlor	ND	0.100									
Heptachlor epoxide	ND	0.100									
Methoxychlor	ND	0.100									
Toxaphene	ND	1.00									
Surr: Decachlorobiphenyl	0.1292	0	0.2	0	64.6	18.9	133	0	0		
Surr: TCMX	0.1132	0	0.2	0	56.6	20.8	90.1	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan.

SCOEPA00024845

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 608_W

Sample ID: LCS-19741	SampType: LCS	TestCode: 608_W	Units: µg/L	Prep Date: 10/18/2007	Run ID: GCK_071018A
Client ID: ZZZZZ	Batch ID: 19741	TestNo: E608		Analysis Date: 10/18/2007	SeqNo: 498430

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	0.1505	0.0500	0.2	0	75.3	31	141	0	0		
4,4'-DDE	0.146	0.0500	0.2	0	73	30	145	0	0		
4,4'-DDT	0.1315	0.0500	0.2	0	65.8	25	160	0	0		
Aldrin	0.08768	0.0500	0.2	0	43.8	42	122	0	0		
alpha-BHC	0.1334	0.0500	0.2	0	66.7	37	134	0	0		
beta-BHC	0.1593	0.0500	0.2	0	79.6	17	147	0	0		
delta-BHC	0.1327	0.0500	0.2	0	66.4	19	140	0	0		
Dieldrin	0.1378	0.0500	0.2	0	68.9	36	146	0	0		
Endosulfan I	0.1214	0.0500	0.2	0	60.7	45	153	0	0		
Endosulfan II	0.1544	0.0500	0.2	0	77.2	0.01	202	0	0		
Endosulfan Sulfate	0.142	0.0500	0.2	0	71	26	144	0	0		
Endrin	0.1777	0.0500	0.2	0	88.8	30	147	0	0		
Endrin Aldehyde	0.1297	0.0500	0.2	0	64.9	50	150	0	0		
gamma-BHC	0.1434	0.0500	0.2	0	71.7	32	127	0	0		
Heptachlor	0.09939	0.0500	0.2	0	49.7	34	111	0	0		
Heptachlor epoxide	0.1431	0.0500	0.2	0	71.6	37	142	0	0		

Sample ID: 0710073-02AMS	SampType: MS	TestCode: 608_W	Units: µg/L	Prep Date: 10/18/2007	Run ID: GCK_071018A
Client ID: 07-126-CE-g	Batch ID: 19741	TestNo: E608		Analysis Date: 10/18/2007	SeqNo: 498439

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	0.4157	0.200	0.3992	0	104	31	141	0	0		
4,4'-DDE	0.3706	0.200	0.3992	0	92.8	30	145	0	0		
4,4'-DDT	0.3319	0.200	0.3992	0	83.1	25	160	0	0		
Aldrin	0.2377	0.200	0.3992	0	59.5	42	122	0	0		
alpha-BHC	0.3306	0.200	0.3992	0	82.8	37	134	0	0		
alpha-Chlordane	0.2693	0.200	0.3992	0	67.5	40	140	0	0		
beta-BHC	0.413	0.200	0.3992	0	103	17	147	0	0		
delta-BHC	0.321	0.200	0.3992	0	80.4	19	140	0	0		
Dieldrin	0.3513	0.200	0.3992	0	88	36	146	0	0		
Endosulfan I	0.3137	0.200	0.3992	0	78.6	45	153	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blan

SCOEPA00024846

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 608_W

Sample ID 0710073-02AMS	SampType: MS	TestCode: 608_W	Units: µg/L	Prep Date: 10/18/2007	Run ID: GCK_071018A
Client ID: 07-126-CE-g	Batch ID: 19741	TestNo: E608		Analysis Date: 10/18/2007	SeqNo: 498439

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endosulfan II	0.3605	0.200	0.3992	0	90.3	0.01	202	0	0		
Endosulfan Sulfate	0.342	0.200	0.3992	0	85.7	26	144	0	0		
Endrin	0.3921	0.200	0.3992	0	98.2	30	147	0	0		
Endrin Aldehyde	0.2789	0.200	0.3992	0	69.9	50	150	0	0		
gamma-BHC	0.3688	0.200	0.3992	0	92.4	32	127	0	0		
gamma-Chlordane	0.3475	0.200	0.3992	0	87	40	140	0	0		
Heptachlor	0.3224	0.200	0.3992	0	80.7	34	111	0	0		
Heptachlor epoxide	0.3422	0.200	0.3992	0	85.7	37	142	0	0		
Methoxychlor	0.4136	0.200	0.3992	0	104	40	140	0	0		

Sample ID CCV	SampType: CCV	TestCode: 608_W	Units: µg/L	Prep Date:	Run ID: GCK_071018A
Client ID: ZZZZZ	Batch ID: 19741	TestNo: E608		Analysis Date: 10/18/2007	SeqNo: 498441

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	0.1907	0.100	0.2	0	95.4	85	115	0	0		
4,4'-DDE	0.227	0.100	0.2	0	113	85	115	0	0		
4,4'-DDT	0.2243	0.100	0.2	0	112	85	115	0	0		
Aldrin	0.2117	0.100	0.2	0	106	85	115	0	0		
alpha-BHC	0.2193	0.100	0.2	0	110	85	115	0	0		
beta-BHC	0.2109	0.100	0.2	0	105	85	115	0	0		
delta-BHC	0.1915	0.100	0.2	0	95.8	85	115	0	0		
Dieldrin	0.2147	0.100	0.2	0	107	85	115	0	0		
Endosulfan I	0.2103	0.100	0.2	0	105	85	115	0	0		
Endosulfan II	0.2114	0.100	0.2	0	106	85	115	0	0		
Endosulfan Sulfate	0.2079	0.100	0.2	0	104	85	115	0	0		
Endrin	0.2232	0.100	0.2	0	112	85	115	0	0		
Endrin Aldehyde	0.2046	0.100	0.2	0	102	85	115	0	0		
gamma-BHC	0.2179	0.100	0.2	0	109	85	115	0	0		
Heptachlor	0.2206	0.100	0.2	0	110	85	115	0	0		
Heptachlor epoxide	0.2059	0.100	0.2	0	103	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blan

SCOEPA00024847

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 624_W

Sample ID	MB-19700	SampType:	MBLK	TestCode:	624_W	Units:	µg/L	Prep Date:	10/15/2007	Run ID:	5973J_071015A
Client ID:	ZZZZZ	Batch ID:	19700	TestNo:	E624			Analysis Date:	10/15/2007	SeqNo:	497226

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,1-Dichloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2-Butanone	ND	10.0									
2-Chloroethyl vinyl ether	ND	1.00									
4-Methyl-2-pentanone	ND	10.0									
Acrolein	ND	10.0									
Acrylonitrile	ND	1.00									
Benzene	ND	1.00									
Bromodichloromethane	ND	1.00									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									
Carbon tetrachloride	ND	1.00									
Chlorobenzene	ND	1.00									
Chloroethane	ND	1.00									
Chloroform	ND	1.00									
Chloromethane	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Dibromochloromethane	ND	1.00									
Ethylbenzene	0.17	1.00									J
m,p-Xylene	0.15	2.00									J
Methylene chloride	ND	5.00									
o-Xylene	ND	1.00									
Tetrachloroethene	ND	1.00									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024848

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 624_W

Sample ID: MB-19700	SampType: MBLK	TestCode: 624_W	Units: µg/L	Prep Date: 10/15/2007	Run ID: 5973J_071015A
Client ID: ZZZZZ	Batch ID: 19700	TestNo: E624		Analysis Date: 10/15/2007	SeqNo: 497226

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
Trichloroethene	ND	1.00									
Trichlorofluoromethane	ND	1.00									
Vinyl chloride	ND	1.00									
Surr:1,2-Dichloroethane-d4	84.67	1.00	100	0	84.7	83.4	126	0	0		
Surr:4-Bromofluorobenzene	89.32	1.00	100	0	89.3	90.9	117	0	0		S
Surr:Dibromofluoromethane	91.7	1.00	100	0	91.7	81.1	112	0	0		
Surr:Toluene-d8	113.5	1.00	100	0	114	90	120	0	0		

Sample ID: LCS-19700	SampType: LCS	TestCode: 624_W	Units: µg/L	Prep Date: 10/15/2007	Run ID: 5973J_071015A
Client ID: ZZZZZ	Batch ID: 19700	TestNo: E624		Analysis Date: 10/15/2007	SeqNo: 497232

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	37.38	1.00	40	0	93.4	52	162	0	0		
1,1,2,2-Tetrachloroethane	35.41	1.00	40	0	88.5	46	157	0	0		
1,1,2-Trichloroethane	37.76	1.00	40	0	94.4	52	150	0	0		
1,1-Dichloroethane	37.32	1.00	40	0	93.3	59	155	0	0		
1,1-Dichloroethene	37.38	1.00	40	0	93.4	0.01	234	0	0		
1,2-Dichlorobenzene	45.55	1.00	40	0	114	18	190	0	0		
1,2-Dichloroethane	30.3	1.00	40	0	75.8	49	155	0	0		
1,2-Dichloropropane	36.12	1.00	40	0	90.3	0.01	210	0	0		
1,3-Dichlorobenzene	49.45	1.00	40	0	124	59	156	0	0		
1,4-Dichlorobenzene	48.4	1.00	40	0	121	18	190	0	0		
2-Butanone	22.26	10.0	40	0	55.6	50	150	0	0		
2-Chloroethyl vinyl ether	28.34	1.00	40	0	70.8	0.01	305	0	0		
4-Methyl-2-pentanone	33.88	10.0	40	0	84.7	50	150	0	0		
Acrolein	24.47	10.0	40	0	61.2	50	150	0	0		
Acrylonitrile	26.11	1.00	40	0	65.3	60	140	0	0		
Benzene	37.8	1.00	40	0	94.5	37	151	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blan
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

SCOEPA00024849

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 624_W

Sample ID: LCS-19700	SampType: LCS	TestCode: 624_W	Units: µg/L	Prep Date: 10/15/2007	Run ID: 5973J_071015A
Client ID: ZZZZZ	Batch ID: 19700	TestNo: E624		Analysis Date: 10/15/2007	SeqNo: 497232

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	35.84	1.00	40	0	89.6	35	155	0	0		
Bromoform	33.96	1.00	40	0	84.9	45	169	0	0		
Bromomethane	39.09	1.00	40	0	97.7	0.01	242	0	0		
Carbon tetrachloride	40.54	1.00	40	0	101	70	140	0	0		
Chlorobenzene	47.18	1.00	40	0	118	37	160	0	0		
Chloroethane	31.63	1.00	40	0	79.1	14	230	0	0		
Chloroform	37.95	1.00	40	0	94.9	51	138	0	0		
Chloromethane	22.65	1.00	40	0	56.6	0.01	273	0	0		
cis-1,3-Dichloropropene	36.11	1.00	40	0	90.3	0.01	227	0	0		
Dibromochloromethane	40.44	1.00	40	0	101	53	149	0	0		
Ethylbenzene	48.16	1.00	40	0.17	120	37	162	0	0		
m,p-Xylene	94.34	2.00	80	0.15	118	50	150	0	0		
Methylene chloride	31.46	5.00	40	0	78.7	0.01	221	0	0		
o-Xylene	47.06	1.00	40	0	118	50	150	0	0		
Tetrachloroethene	64.13	1.00	40	0	160	64	148	0	0		SC
Toluene	47.83	1.00	40	0	120	47	150	0	0		
trans-1,2-Dichloroethene	38.26	1.00	40	0	95.7	54	156	0	0		
trans-1,3-Dichloropropene	39.59	1.00	40	0	99	17	183	0	0		
Trichloroethene	39.61	1.00	40	0	99	71	157	0	0		
Trichlorofluoromethane	31.08	1.00	40	0	77.7	17	181	0	0		
Vinyl chloride	25.62	1.00	40	0	64	0.01	251	0	0		

Sample ID: 0710073-02BMS	SampType: MS	TestCode: 624_W	Units: µg/L	Prep Date: 10/15/2007	Run ID: 5973J_071015A
Client ID: 07-126-CE-g	Batch ID: 19700	TestNo: E624		Analysis Date: 10/15/2007	SeqNo: 497229

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	36.9	1.00	40	0	92.2	52	162	0	0		
1,1,2,2-Tetrachloroethane	34.01	1.00	40	0	85	46	157	0	0		
1,1,2-Trichloroethane	35.63	1.00	40	0	89.1	52	150	0	0		
1,1-Dichloroethane	37.76	1.00	40	0	94.4	59	155	0	0		
1,1-Dichloroethene	39.36	1.00	40	0	98.4	0.01	234	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blan

SCOEPA00024850

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 624_W

Sample ID	0710073-02BMS	SampType:	MS	TestCode:	624_W	Units:	µg/L	Prep Date:	10/15/2007	Run ID:	5973J_071015A
Client ID:	07-126-CE-g	Batch ID:	19700	TestNo:	E624			Analysis Date:	10/15/2007	SeqNo:	497229

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichlorobenzene	39.16	1.00	40	0	97.9	18	190	0	0		
1,2-Dichloroethane	29.63	1.00	40	0	74.1	49	155	0	0		
1,2-Dichloropropane	35.73	1.00	40	0	89.3	0.01	210	0	0		
1,3-Dichlorobenzene	45.48	1.00	40	0	114	59	156	0	0		
1,4-Dichlorobenzene	44.3	1.00	40	0	111	18	190	0	0		
2-Butanone	37.83	10.0	40	0	94.6	50	150	0	0		
4-Methyl-2-pentanone	62.03	10.0	80	0	77.5	50	150	0	0		
Acrolein	21.6	10.0	40	0	54	50	150	0	0		
Acrylonitrile	41.97	1.00	40	0	105	60	140	0	0		
Benzene	37.05	1.00	40	0	92.6	37	151	0	0		
Bromodichloromethane	33.9	1.00	40	0	84.8	35	155	0	0		
Bromoform	30.43	1.00	40	0	76.1	45	169	0	0		
Bromomethane	46.31	1.00	40	0	116	0.01	242	0	0		
Carbon tetrachloride	39.93	1.00	40	0	99.8	70	140	0	0		
Chlorobenzene	44.9	1.00	40	0	112	37	160	0	0		
Chloroethane	37.14	1.00	40	0	92.8	14	230	0	0		
Chloroform	39.55	1.00	40	2.78	91.9	51	138	0	0		
Chloromethane	51.06	1.00	40	0	128	0.01	273	0	0		
cis-1,3-Dichloropropene	32.72	1.00	40	0	81.8	0.01	227	0	0		
Dibromochloromethane	36.14	1.00	40	0	90.4	53	149	0	0		
Ethylbenzene	45.27	1.00	40	0.39	112	37	162	0	0		
m,p-Xylene	89.11	2.00	80	0.29	111	50	150	0	0		
Methylene chloride	29.33	5.00	40	0	73.3	0.01	221	0	0		
o-Xylene	44.01	1.00	40	0	110	50	150	0	0		
Tetrachloroethene	40.66	1.00	40	0	102	64	148	0	0		
Toluene	45.49	1.00	40	0	114	47	150	0	0		
trans-1,2-Dichloroethene	39.14	1.00	40	0	97.8	54	156	0	0		
trans-1,3-Dichloropropene	36.52	1.00	40	0	91.3	17	183	0	0		
Trichloroethene	37.49	1.00	40	0	93.7	71	157	0	0		
Trichlorofluoromethane	37.41	1.00	40	0	93.5	17	181	0	0		
Vinyl chloride	38.52	1.00	40	0	96.3	0.01	251	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blan
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

SCOEPA00024851

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 624_W

Sample ID: 0710073-02BMS	SampType: MS	TestCode: 624_W	Units: µg/L	Prep Date: 10/15/2007	Run ID: 5973J_071015A
Client ID: 07-126-CE-g	Batch ID: 19700	TestNo: E624		Analysis Date: 10/17/2007	SeqNo: 497891

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chloroethyl vinyl ether	11.44	1.00	40	0	28.6	0.01	305	0	0		

Sample ID: CCV-19700	SampType: CCV	TestCode: 624_W	Units: µg/L	Prep Date:	Run ID: 5973J_071015A
Client ID: ZZZZZ	Batch ID: 19700	TestNo: E624		Analysis Date: 10/15/2007	SeqNo: 497225

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	34.52	1.00	40	0	86.3	75	125	0	0		
1,1,2,2-Tetrachloroethane	34.28	1.00	40	0	85.7	60.5	139.5	0	0		
1,1,2-Trichloroethane	34.68	1.00	40	0	86.7	71	129	0	0		
1,1-Dichloroethane	35.11	1.00	40	0	87.8	72.5	127.5	0	0		
1,1-Dichloroethene	37.67	1.00	40	0	94.2	50.5	149.5	0	0		
1,2-Dichlorobenzene	41.68	1.00	40	0	104	63	137	0	0		
1,2-Dichloroethane	28.04	1.00	40	0	70.1	68	132	0	0		
1,2-Dichloropropane	33.47	1.00	40	0	83.7	34	166	0	0		
1,3-Dichlorobenzene	46.03	1.00	40	0	115	73	127	0	0		
1,4-Dichlorobenzene	45.52	1.00	40	0	114	63	137	0	0		
2-Butanone	48.02	10.0	40	0	120	50	150	0	0		
2-Chloroethyl vinyl ether	19.07	1.00	40	0	47.7	0.01	224	0	0		
4-Methyl-2-pentanone	59.23	10.0	80	0	74	50	150	0	0		
Acrolein	24.23	10.0	40	0	60.6	50	150	0	0		
Acrylonitrile	36.82	1.00	40	0	92	60	140	0	0		
Benzene	34.75	1.00	40	0	86.9	64	136	0	0		
Bromodichloromethane	31.58	1.00	40	0	79	65.5	134.5	0	0		
Bromoform	30.83	1.00	40	0	77.1	71	129	0	0		
Bromomethane	39.41	1.00	40	0	98.5	14	186	0	0		
Carbon tetrachloride	36.36	1.00	40	0	90.9	73	127	0	0		
Chlorobenzene	43.49	1.00	40	0	109	66	134	0	0		
Chloroethane	34.95	1.00	40	0	87.4	38	162	0	0		
Chloroform	34.67	1.00	40	0	86.7	67.5	132.5	0	0		
Chloromethane	38.7	1.00	40	0	96.8	0.01	204	0	0		
cis-1,3-Dichloropropene	32.07	1.00	40	0	80.2	24	176	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024852

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 624_W

Sample ID: CCV-19700	SampType: CCV	TestCode: 624_W	Units: µg/L	Prep Date:	Run ID: 5973J_071015A
Client ID: ZZZZZ	Batch ID: 19700	TestNo: E624		Analysis Date: 10/15/2007	SeqNo: 497225

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	35.71	1.00	40	0	89.3	67.5	132.5	0	0		
Ethylbenzene	43.26	1.00	40	0	108	59	141	0	0		
m,p-Xylene	86.45	2.00	80	0	108	50	150	0	0		
Methylene chloride	30.26	5.00	40	0	75.6	60.5	139.5	0	0		
o-Xylene	42.71	1.00	40	0	107	50	150	0	0		
Tetrachloroethene	40.26	1.00	40	0	101	73.5	126.5	0	0		
Toluene	44.04	1.00	40	0	110	74.5	125.5	0	0		
trans-1,2-Dichloroethene	37.35	1.00	40	0	93.4	69.5	130.5	0	0		
trans-1,3-Dichloropropene	36.02	1.00	40	0	90	50	150	0	0		
Trichloroethene	35.87	1.00	40	0	89.7	66.5	133.5	0	0		
Trichlorofluoromethane	35.13	1.00	40	0	87.8	48	152	0	0		
Vinyl chloride	32.89	1.00	40	0	82.2	4	196	0	0		

Sample ID: CCV-19700	SampType: CCV	TestCode: 624_W	Units: µg/L	Prep Date:	Run ID: 5973J_071015A
Client ID: ZZZZZ	Batch ID: 19700	TestNo: E624		Analysis Date: 10/17/2007	SeqNo: 497888

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Chloroethyl vinyl ether	12.52	1.00	40	0	31.3	0.01	224	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blan.

SCOEPA00024853

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 625X_W

Sample ID	MB-19684	SampType:	MBLK	TestCode:	625X_W	Units:	µg/L	Prep Date:	10/11/2007	Run ID:	5973G_071012A
Client ID:	ZZZZZ	Batch ID:	19684	TestNo:	E625			Analysis Date:	10/12/2007	SeqNo:	497060

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	5.00									
1,2-Dichlorobenzene	ND	5.00									
1,2-Diphenylhydrazine	ND	5.00									
1,3-Dichlorobenzene	ND	5.00									
1,4-Dichlorobenzene	ND	5.00									
2,4,6-Trichlorophenol	ND	5.00									
2,4-Dichlorophenol	ND	10.0									
2,4-Dimethylphenol	ND	5.00									
2,4-Dinitrophenol	ND	10.0									
2,4-Dinitrotoluene	ND	5.00									
2,6-Dinitrotoluene	ND	5.00									
2-Chloronaphthalene	ND	5.00									
2-Chlorophenol	ND	5.00									
2-Nitrophenol	ND	5.00									
3,3'-Dichlorobenzidine	ND	5.00									
4,6-Dinitro-2-methylphenol	ND	10.0									
4-Bromophenyl phenyl ether	ND	5.00									
4-Chloro-3-methylphenol	ND	5.00									
4-Chlorophenyl phenyl ether	ND	5.00									
4-Nitrophenol	ND	5.00									
Acenaphthene	ND	5.00									
Acenaphthylene	ND	5.00									
Aniline	0.03	5.00									J
Anthracene	ND	5.00									
Benz(a)anthracene	ND	5.00									
Benzidine	0.06	5.00									J
Benzo(a)pyrene	ND	5.00									
Benzo(b)fluoranthene	ND	5.00									
Benzo(g,h,i)perylene	ND	5.00									
Benzo(k)fluoranthene	ND	5.00									
Benzoic Acid	0.11	20.0									J

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024854

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 625X_W

Sample ID	MB-19684	SampType:	MBLK	TestCode:	625X_W	Units:	µg/L	Prep Date:	10/11/2007	Run ID:	5973G_071012A
Client ID:	ZZZZZ	Batch ID:	19684	TestNo:	E625			Analysis Date:	10/12/2007	SeqNo:	497060

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	ND	5.00									
Bis(2-chloroethyl)ether	ND	5.00									
Bis(2-chloroisopropyl)ether	ND	5.00									
Bis(2-ethylhexyl)phthalate	ND	5.00									
Butyl benzyl phthalate	ND	5.00									
Carbazole	ND	5.00									
Chrysene	ND	5.00									
Di-n-butyl phthalate	ND	5.00									
Di-n-octyl phthalate	ND	5.00									
Dibenz(a,h)anthracene	ND	5.00									
Diethyl phthalate	ND	5.00									
Dimethyl phthalate	ND	5.00									
Fluoranthene	ND	5.00									
Fluorene	ND	5.00									
Hexachlorobenzene	ND	5.00									
Hexachlorobutadiene	ND	5.00									
Hexachlorocyclopentadiene	ND	5.00									
Hexachloroethane	ND	5.00									
Indeno(1,2,3-cd)pyrene	ND	5.00									
Isophorone	ND	5.00									
N-Nitrosodi-n-propylamine	ND	5.00									
N-Nitrosodimethylamine	ND	5.00									
N-Nitrosodiphenylamine	ND	5.00									
Naphthalene	ND	5.00									
Nitrobenzene	0.32	5.00									J
o-Cresol	0.1	5.00									J
p-Cresol	0.04	5.00									J
Pentachlorophenol	ND	10.0									
Phenanthrene	ND	5.00									
Phenol	0.23	5.00									J
Pyrene	ND	5.00									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024855

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 625X_W

Sample ID	MB-19684	SampType:	MBLK	TestCode:	625X_W	Units:	µg/L	Prep Date:	10/11/2007	Run ID:	5973G_071012A
Client ID:	ZZZZZ	Batch ID:	19684	TestNo:	E625			Analysis Date:	10/12/2007	SeqNo:	497060

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Pyridine	ND	10.0									
Surr:2,4,6-Tribromophenol	94.35	0	100	0	94.4	33.1	99.7	0	0		
Surr:2-Fluorobiphenyl	52.46	0	100	0	52.5	33.1	96.2	0	0		
Surr:2-Fluorophenol	55.88	0	100	0	55.9	13.4	57.1	0	0		
Surr:4-Terphenyl-d14	90.7	0	100	0	90.7	41	122	0	0		
Surr:Nitrobenzene-d5	84.91	0	100	0	84.9	28.9	99.9	0	0		
Surr:Phenol-d6	40.36	0	100	0	40.4	10.6	38.5	0	0		S

Sample ID	LCS-19684	SampType:	LCS	TestCode:	625X_W	Units:	µg/L	Prep Date:	10/11/2007	Run ID:	5973G_071012A
Client ID:	ZZZZZ	Batch ID:	19684	TestNo:	E625			Analysis Date:	10/12/2007	SeqNo:	497064

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	26.21	5.00	50	0	52.4	44	142	0	0		
1,2-Dichlorobenzene	24.6	5.00	50	0	49.2	32	129	0	0		
1,2-Diphenylhydrazine	42.6	5.00	50	0	85.2	40	140	0	0		
1,3-Dichlorobenzene	21.49	5.00	50	0	43	0.01	172	0	0		
1,4-Dichlorobenzene	23.58	5.00	50	0	47.2	20	124	0	0		
2,4,6-Trichlorophenol	47.16	5.00	50	0	94.3	37	144	0	0		
2,4-Dichlorophenol	41.74	10.0	50	0	83.5	39	135	0	0		
2,4-Dimethylphenol	36.98	5.00	50	0	74	32	119	0	0		
2,4-Dinitrophenol	25.66	10.0	50	0	51.3	0.01	191	0	0		
2,4-Dinitrotoluene	47.29	5.00	50	0	94.6	39	139	0	0		
2,6-Dinitrotoluene	49.08	5.00	50	0	98.2	50	158	0	0		
2-Chloronaphthalene	38.87	5.00	50	0	77.7	60	118	0	0		
2-Chlorophenol	41.19	5.00	50	0	82.4	23	134	0	0		
2-Nitrophenol	43.28	5.00	50	0	86.6	29	182	0	0		
3,3'-Dichlorobenzidine	49.19	5.00	50	0	98.4	0.01	262	0	0		
4,6-Dinitro-2-methylphenol	45.94	10.0	50	0	91.9	0.01	181	0	0		
4-Bromophenyl phenyl ether	56.68	5.00	50	0	113	53	127	0	0		
4-Chloro-3-methylphenol	42.59	5.00	50	0	85.2	22	147	0	0		
4-Chlorophenyl phenyl ether	49.29	5.00	50	0	98.6	25	158	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blan.

SCOEPA00024856

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 625X_W

Sample ID: LCS-19684	SampType: LCS	TestCode: 625X_W	Units: µg/L	Prep Date: 10/11/2007	Run ID: 5973G_071012A
Client ID: ZZZZZ	Batch ID: 19684	TestNo: E625		Analysis Date: 10/12/2007	SeqNo: 497064

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	19.01	5.00	50	0	38	0.01	132	0	0		
Acenaphthene	42.41	5.00	50	0	84.8	47	145	0	0		
Acenaphthylene	40.14	5.00	50	0	80.3	33	145	0	0		
Aniline	35.09	5.00	50	0.03	70.1	46	134	0	0		
Anthracene	42.48	5.00	50	0	85	27	133	0	0		
Benz(a)anthracene	44.72	5.00	50	0	89.4	33	143	0	0		
Benzidine	47.7	5.00	50	0.06	95.3	40	140	0	0		
Benzo(a)pyrene	37.33	5.00	50	0	74.7	17	163	0	0		
Benzo(b)fluoranthene	37.72	5.00	50	0	75.4	24	159	0	0		
Benzo(g,h,i)perylene	39.35	5.00	50	0	78.7	0.01	219	0	0		
Benzo(k)fluoranthene	37.02	5.00	50	0	74	11	162	0	0		
Benzoic Acid	2.03	20.0	50	0.11	3.84	0	250	0	0		J
Bis(2-chloroethoxy)methane	46.36	5.00	50	0	92.7	33	184	0	0		
Bis(2-chloroethyl)ether	51.75	5.00	50	0	104	12	158	0	0		
Bis(2-ethylhexyl)phthalate	53.14	5.00	50	0	106	8	158	0	0		
Butyl benzyl phthalate	48.96	5.00	50	0	97.9	0.01	152	0	0		
Carbazole	42.39	5.00	50	0	84.8	73	131	0	0		
Chrysene	43.69	5.00	50	0	87.4	17	168	0	0		
Di-n-butylphthalate	48.02	5.00	50	0	96	1	118	0	0		
Di-n-octylphthalate	52.55	5.00	50	0	105	4	146	0	0		
Dibenz(a,h)anthracene	38.37	5.00	50	0	76.7	0.01	227	0	0		
Diethylphthalate	50.83	5.00	50	0	102	0.01	114	0	0		
Dimethylphthalate	48.63	5.00	50	0	97.3	0.01	112	0	0		
Fluoranthene	42.52	5.00	50	0	85	26	137	0	0		
Fluorene	44.09	5.00	50	0	88.2	59	121	0	0		
Hexachlorobenzene	46.43	5.00	50	0	92.9	0.01	152	0	0		
Hexachlorobutadiene	15.68	5.00	50	0	31.4	24	116	0	0		
Hexachlorocyclopentadiene	21.12	5.00	50	0	42.2	10	110	0	0		
Hexachloroethane	16.41	5.00	50	0	32.8	40	113	0	0		S
Indeno(1,2,3-cd)pyrene	37.6	5.00	50	0	75.2	0.01	171	0	0		
Isophorone	42.17	5.00	50	0	84.3	21	196	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blan

SCOEPA00024857

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 625X_W

Sample ID: LCS-19684	SampType: LCS	TestCode: 625X_W	Units: µg/L	Prep Date: 10/11/2007	Run ID: 5973G_071012A
Client ID: ZZZZZ	Batch ID: 19684	TestNo: E625		Analysis Date: 10/12/2007	SeqNo: 497064

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
N-Nitrosodi-n-propylamine	56.24	5.00	50	0	112	0.01	230	0	0		
N-Nitrosodimethylamine	24.99	5.00	50	0	50	0.01	250	0	0		
N-Nitrosodiphenylamine	28.17	5.00	50	0	56.3	0.01	250	0	0		
Naphthalene	33.55	5.00	50	0	67.1	21	133	0	0		
Nitrobenzene	42.62	5.00	50	0.32	84.6	35	180	0	0		
o-Cresol	38.1	5.00	50	0.1	76	55	126	0	0		
p-Cresol	16.46	5.00	25	0.04	65.7	76	107	0	0		S
Pentachlorophenol	40.23	10.0	50	0	80.5	14	176	0	0		
Phenanthrene	42.85	5.00	50	0	85.7	54	120	0	0		
Phenol	19.27	5.00	50	0.23	38.1	5	112	0	0		
Pyrene	44.81	5.00	50	0	89.6	52	115	0	0		
Pyridine	20.18	10.0	50	0	40.4	33	158	0	0		

Sample ID: 0710073-02AMS	SampType: MS	TestCode: 625X_W	Units: µg/L	Prep Date: 10/11/2007	Run ID: 5973G_071012A
Client ID: 07-126-CE-g	Batch ID: 19684	TestNo: E625		Analysis Date: 10/12/2007	SeqNo: 497063

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	14.58	4.76	47.62	0	30.6	44	142	0	0		S
1,2-Dichlorobenzene	10.5	4.76	47.62	0	22.1	32	129	0	0		S
1,2-Diphenylhydrazine	31.62	4.76	47.62	0	66.4	40	140	0	0		
1,3-Dichlorobenzene	8.895	4.76	47.62	0	18.7	0.01	172	0	0		
1,4-Dichlorobenzene	10.1	4.76	47.62	0	21.2	20	124	0	0		
2,4,6-Trichlorophenol	35.57	4.76	47.62	0	74.7	37	144	0	0		
2,4-Dichlorophenol	29.89	9.52	47.62	0	62.8	39	135	0	0		
2,4-Dimethylphenol	6.238	4.76	47.62	0	13.1	32	119	0	0		S
2,4-Dinitrophenol	30.33	9.52	47.62	0	63.7	0.01	191	0	0		
2,4-Dinitrotoluene	35.46	4.76	47.62	0	74.5	39	139	0	0		
2,6-Dinitrotoluene	36.61	4.76	47.62	0	76.9	50	158	0	0		
2-Chloronaphthalene	27.96	4.76	47.62	0	58.7	60	118	0	0		S
2-Chlorophenol	26.97	4.76	47.62	0	56.6	23	134	0	0		
2-Nitrophenol	29.82	4.76	47.62	0	62.6	29	182	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blan

SCOEPA00024858

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 625X_W

Sample ID: 0710073-02AMS	SampType: MS	TestCode: 625X_W	Units: µg/L	Prep Date: 10/11/2007	Run ID: 5973G_071012A
Client ID: 07-126-CE-g	Batch ID: 19684	TestNo: E625		Analysis Date: 10/12/2007	SeqNo: 497063

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	10.64	4.76	47.62	0	22.3	0.01	262	0	0		
4,6-Dinitro-2-methylphenol	37.19	9.52	47.62	0	78.1	0.01	181	0	0		
4-Bromophenyl phenyl ether	42.95	4.76	47.62	0	90.2	53	127	0	0		
4-Chloro-3-methylphenol	32.57	4.76	47.62	0	68.4	22	147	0	0		
4-Chlorophenyl phenyl ether	36.66	4.76	47.62	0	77	25	158	0	0		
4-Nitrophenol	10.65	4.76	47.62	0	22.4	0.01	132	0	0		
Acenaphthene	31.49	4.76	47.62	0	66.1	47	145	0	0		
Acenaphthylene	29.65	4.76	47.62	0	62.3	33	145	0	0		
Aniline	0.3143	4.76	47.62	0	0.66	46	134	0	0		JS
Anthracene	30.18	4.76	47.62	0	63.4	27	133	0	0		
Benz(a)anthracene	34.19	4.76	47.62	0	71.8	33	143	0	0		
Benzidine	0.07619	4.76	47.62	0	0.16	40	140	0	0		JS
Benzo(a)pyrene	29.85	4.76	47.62	0	62.7	17	163	0	0		
Benzo(b)fluoranthene	35.05	4.76	47.62	0	73.6	24	159	0	0		
Benzo(g,h,i)perylene	36.67	4.76	47.62	0	77	0.01	219	0	0		
Benzo(k)fluoranthene	33.81	4.76	47.62	0	71	11	162	0	0		
Benzoic Acid	10.14	19.0	47.62	0.2381	20.8	0	250	0	0		J
Bis(2-chloroethoxy)methane	32.44	4.76	47.62	0	68.1	33	184	0	0		
Bis(2-chloroethyl)ether	30.89	4.76	47.62	0	64.9	12	158	0	0		
Bis(2-chloroisopropyl)ether	29.57	4.76	47.62	0	62.1	36	166	0	0		
Bis(2-ethylhexyl)phthalate	41.93	4.76	47.62	0	88.1	8	158	0	0		
Butyl benzyl phthalate	37.9	4.76	47.62	0	79.6	0.01	152	0	0		
Carbazole	33.19	4.76	47.62	0	69.7	73	131	0	0		S
Chrysene	33.85	4.76	47.62	0	71.1	17	168	0	0		
Di-n-butylphthalate	37.51	4.76	47.62	0	78.8	1	118	0	0		
Di-n-octylphthalate	41.63	4.76	47.62	0	87.4	4	146	0	0		
Dibenz(a,h)anthracene	35.12	4.76	47.62	0	73.8	0.01	227	0	0		
Diethylphthalate	38.65	4.76	47.62	0	81.2	0.01	114	0	0		
Dimethylphthalate	36.46	4.76	47.62	0	76.6	0.01	112	0	0		
Fluoranthene	32.28	4.76	47.62	0	67.8	26	137	0	0		
Fluorene	33.3	4.76	47.62	0	69.9	59	121	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blan
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

SCOEPA00024859

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 625X_W

Sample ID 0710073-02AMS	SampType: MS	TestCode: 625X_W	Units: µg/L	Prep Date: 10/11/2007	Run ID: 5973G_071012A
Client ID: 07-126-CE-g	Batch ID: 19684	TestNo: E625		Analysis Date: 10/12/2007	SeqNo: 497063

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	35.46	4.76	47.62	0	74.5	0.01	152	0	0		
Hexachlorobutadiene	9.362	4.76	47.62	0	19.7	24	116	0	0		S
Hexachlorocyclopentadiene	17.42	4.76	47.62	0	36.6	10	110	0	0		
Hexachloroethane	7.257	4.76	47.62	0	15.2	40	113	0	0		S
Indeno(1,2,3-cd)pyrene	34.74	4.76	47.62	0	73	0.01	171	0	0		
Isophorone	30.63	4.76	47.62	0	64.3	21	196	0	0		
N-Nitrosodi-n-propylamine	38.13	4.76	47.62	0.219	79.6	0.01	230	0	0		
N-Nitrosodimethylamine	19.83	4.76	47.62	0	41.6	0.01	250	0	0		
N-Nitrosodiphenylamine	19.09	4.76	47.62	0	40.1	0.01	250	0	0		
Naphthalene	19.67	4.76	47.62	0	41.3	21	133	0	0		
Nitrobenzene	27.67	4.76	47.62	0.2095	57.7	35	180	0	0		
o-Cresol	24.24	4.76	47.62	0.1143	50.7	55	126	0	0		S
p-Cresol	11.7	4.76	47.62	0.04762	24.5	76	107	0	0		S
Pentachlorophenol	31.64	9.52	47.62	0	66.4	14	176	0	0		
Phenanthrene	33.38	4.76	47.62	0	70.1	54	120	0	0		
Phenol	15.45	4.76	47.62	0.2	32	5	112	0	0		
Pyrene	35.64	4.76	47.62	0	74.8	52	115	0	0		
Pyridine	14.52	9.52	47.62	0	30.5	33	158	0	0		S

Sample ID CCV-19684	SampType: CCV	TestCode: 625X_W	Units: µg/L	Prep Date:	Run ID: 5973G_071012A
Client ID: ZZZZZ	Batch ID: 19684	TestNo: E625		Analysis Date: 10/12/2007	SeqNo: 497059

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	37.52	5.00	40	0	93.8	80	120	0	0		
1,2-Dichlorobenzene	39.04	5.00	40	0	97.6	80	120	0	0		
1,2-Diphenylhydrazine	37.93	5.00	40	0	94.8	80	120	0	0		
1,3-Dichlorobenzene	38.42	5.00	40	0	96	80	120	0	0		
1,4-Dichlorobenzene	38.88	5.00	40	0	97.2	80	120	0	0		
2,4,6-Trichlorophenol	38.03	5.00	40	0	95.1	80	120	0	0		
2,4-Dichlorophenol	38.89	10.0	40	0	97.2	80	120	0	0		
2,4-Dimethylphenol	38.53	5.00	40	0	96.3	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blan

SCOEPA00024860

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 625X_W

Sample ID: CCV-19684	SampType: CCV	TestCode: 625X_W	Units: µg/L	Prep Date:	Run ID: 5973G_071012A
Client ID: ZZZZZ	Batch ID: 19684	TestNo: E625		Analysis Date: 10/12/2007	SeqNo: 497059

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrophenol	33.34	10.0	40	0	83.4	80	120	0	0		
2,4-Dinitrotoluene	39.63	5.00	40	0	99.1	80	120	0	0		
2,6-Dinitrotoluene	40.05	5.00	40	0	100	80	120	0	0		
2-Chloronaphthalene	37.6	5.00	40	0	94	80	120	0	0		
2-Chlorophenol	39.86	5.00	40	0	99.7	80	120	0	0		
2-Nitrophenol	39.73	5.00	40	0	99.3	80	120	0	0		
3,3'-Dichlorobenzidine	38.9	5.00	40	0	97.3	80	120	0	0		
4,6-Dinitro-2-methylphenol	41.26	10.0	40	0	103	80	120	0	0		
4-Bromophenyl phenyl ether	38.39	5.00	40	0	96	80	120	0	0		
4-Chloro-3-methylphenol	39.59	5.00	40	0	99	80	120	0	0		
4-Chlorophenyl phenyl ether	38.54	5.00	40	0	96.4	80	120	0	0		
4-Nitrophenol	40.31	5.00	40	0	101	80	120	0	0		
Acenaphthene	36.81	5.00	40	0	92	80	120	0	0		
Acenaphthylene	36.59	5.00	40	0	91.5	80	120	0	0		
Aniline	39.86	5.00	40	0	99.7	80	120	0	0		
Anthracene	36.22	5.00	40	0	90.6	80	120	0	0		
Benz(a)anthracene	36.45	5.00	40	0	91.1	80	120	0	0		
Benzidine	43.27	5.00	40	0	108	80	120	0	0		
Benzo(a)pyrene	46.86	5.00	40	0	117	80	120	0	0		
Benzo(b)fluoranthene	45.1	5.00	40	0	113	80	120	0	0		
Benzo(g,h,i)perylene	47.57	5.00	40	0	119	80	120	0	0		
Benzo(k)fluoranthene	42.48	5.00	40	0	106	80	120	0	0		
Benzoic Acid	40.09	20.0	40	0	100	80	120	0	0		
Bis(2-chloroethoxy)methane	39.22	5.00	40	0	98	80	120	0	0		
Bis(2-chloroethyl)ether	39.75	5.00	40	0	99.4	80	120	0	0		
Bis(2-chloroisopropyl)ether	41.28	5.00	40	0	103	80	120	0	0		
Bis(2-ethylhexyl)phthalate	42.26	5.00	40	0	106	80	120	0	0		
Butyl benzyl phthalate	39.5	5.00	40	0	98.8	80	120	0	0		
Carbazole	36.28	5.00	40	0	90.7	80	120	0	0		
Chrysene	35.58	5.00	40	0	89	80	120	0	0		
Di-n-butyl phthalate	37.01	5.00	40	0	92.5	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024861

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 625X_W

Sample ID	CCV-19684	SampType:	CCV	TestCode:	625X_W	Units:	µg/L	Prep Date:		Run ID:	5973G_071012A
Client ID:	ZZZZZ	Batch ID:	19684	TestNo:	E625			Analysis Date:	10/12/2007	SeqNo:	497059

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-octylphthalate	42.27	5.00	40	0	106	80	120	0	0		
Dibenz(a,h)anthracene	46.27	5.00	40	0	116	80	120	0	0		
Diethylphthalate	38.88	5.00	40	0	97.2	80	120	0	0		
Dimethylphthalate	37.76	5.00	40	0	94.4	80	120	0	0		
Fluoranthene	35.84	5.00	40	0	89.6	80	120	0	0		
Fluorene	37.3	5.00	40	0	93.3	80	120	0	0		
Hexachlorobenzene	37.56	5.00	40	0	93.9	80	120	0	0		
Hexachlorobutadiene	37.85	5.00	40	0	94.6	80	120	0	0		
Hexachlorocyclopentadiene	39.55	5.00	40	0	98.9	80	120	0	0		
Hexachloroethane	40.4	5.00	40	0	101	80	120	0	0		
Indeno(1,2,3-cd)pyrene	46.06	5.00	40	0	115	80	120	0	0		
Isophorone	39.15	5.00	40	0	97.9	80	120	0	0		
N-Nitrosodi-n-propylamine	42.83	5.00	40	0	107	80	120	0	0		
N-Nitrosodimethylamine	38.48	5.00	40	0	96.2	80	120	0	0		
N-Nitrosodiphenylamine	36.64	5.00	40	0	91.6	80	120	0	0		
Naphthalene	36.66	5.00	40	0	91.7	80	120	0	0		
Nitrobenzene	38.13	5.00	40	0	95.3	80	120	0	0		
o-Cresol	41.78	5.00	40	0	104	80	120	0	0		
p-Cresol	17.43	5.00	20	0	87.2	80	120	0	0		
Pentachlorophenol	38.88	10.0	40	0	97.2	80	120	0	0		
Phenanthrene	35.75	5.00	40	0	89.4	80	120	0	0		
Phenol	39.36	5.00	40	0	98.4	80	120	0	0		
Pyrene	36.47	5.00	40	0	91.2	80	120	0	0		
Pyridine	41.68	10.0	40	0	104	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan.

SCOEPA00024862

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: MB-19701	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date: 10/15/2007	Run ID: 5973J_071015B
Client ID: ZZZZZ	Batch ID: 19701	TestNo: SW8260B		Analysis Date: 10/15/2007	SeqNo: 497234

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	1.00									
1,1,1-Trichloroethane	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,1-Dichloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
1,1-Dichloropropene	ND	1.00									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									
1,2,4-Trichlorobenzene	1.42	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2-Dibromoethane	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dichloroethane	ND	1.00									
1,2-Dichloropropane	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,3-Dichloropropane	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2,2-Dichloropropane	ND	1.00									
2-Butanone	ND	10.0									
2-Chlorotoluene	ND	1.00									
2-Hexanone	ND	10.0									
4-Chlorotoluene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
4-Methyl-2-pentanone	ND	20.0									
Acetone	ND	50.0									
Acrylonitrile	ND	5.00									
Benzene	ND	0.300									
Bromobenzene	ND	1.00									

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blan

SCOEPA00024863

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	MB-19701	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	10/15/2007	Run ID:	5973J_071015B
Client ID:	ZZZZZ	Batch ID:	19701	TestNo:	SW8260B			Analysis Date:	10/15/2007	SeqNo:	497234

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromochloromethane	ND	1.00									
Bromodichloromethane	ND	1.00									
Bromoform	ND	1.00									
Bromomethane	ND	1.00									
Carbon disulfide	ND	2.00									
Carbon tetrachloride	ND	1.00									
Chlorobenzene	ND	1.00									
Chloroethane	ND	1.00									
Chloroform	ND	1.00									
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Dibromochloromethane	ND	1.00									
Dibromomethane	ND	1.00									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	0.17	1.00									J
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	ND	1.00									
m,p-Xylene	ND	2.00									
Methyl tert-butyl ether	ND	1.00									
Methylene chloride	ND	20.0									
n-Butylbenzene	ND	1.00									
n-Propylbenzene	ND	1.00									
Naphthalene	ND	1.00									
o-Xylene	ND	1.00									
sec-Butylbenzene	ND	1.00									
Styrene	ND	1.00									
tert-Butylbenzene	ND	1.00									
Tetrachloroethene	ND	1.00									
Toluene	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024864

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: MB-19701	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date: 10/15/2007	Run ID: 5973J_071015B
Client ID: ZZZZZ	Batch ID: 19701	TestNo: SW8260B		Analysis Date: 10/15/2007	SeqNo: 497234

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	ND	1.00									
Trichloroethene	ND	1.00									
Trichlorofluoromethane	ND	1.00									
Vinyl chloride	ND	1.00									
Surr:1,2-Dichloroethane-d4	84.67	0	100	0	84.7	72.2	129	0	0		
Surr:4-Bromofluorobenzene	89.32	0	100	0	89.3	73.5	125	0	0		
Surr:Dibromofluoromethane	91.7	0	100	0	91.7	58.8	148	0	0		
Surr: Toluene-d8	113.5	0	100	0	114	79.8	137	0	0		

Sample ID: LCS-19701	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date: 10/15/2007	Run ID: 5973J_071015B
Client ID: ZZZZZ	Batch ID: 19701	TestNo: SW8260B		Analysis Date: 10/15/2007	SeqNo: 497238

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	37.38	1.00	40	0	93.4	69.9	130	0	0		
Benzene	37.8	0.300	40	0	94.5	77.9	125	0	0		
Chlorobenzene	47.18	1.00	40	0	118	82.5	114	0	0		S,O
Toluene	47.83	1.00	40	0	120	74.6	119	0	0		S,O
Trichloroethene	39.61	1.00	40	0	99	74.7	125	0	0		

Sample ID: 0710073-02BMS	SampType: MS	TestCode: 8260_W	Units: µg/L	Prep Date: 10/15/2007	Run ID: 5973J_071015B
Client ID: 07-126-CE-g	Batch ID: 19701	TestNo: SW8260B		Analysis Date: 10/15/2007	SeqNo: 497236

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	39.36	1.00	40	0	98.4	51.4	176	0	0		
Benzene	37.05	0.300	40	0	92.6	71.5	118	0	0		
Chlorobenzene	44.9	1.00	40	0	112	79.8	114	0	0		
Toluene	45.49	1.00	40	0	114	79.6	121	0	0		
Trichloroethene	37.49	1.00	40	0	93.7	73.6	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024865

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	0710073-02BMSD	SampType:	MSD	TestCode:	8260_W	Units:	µg/L	Prep Date:	10/15/2007	Run ID:	5973J_071015B
Client ID:	07-126-CE-g	Batch ID:	19701	TestNo:	SW8260B			Analysis Date:	10/15/2007	SeqNo:	497237

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	37.14	1.00	40	0	92.8	51.4	176	39.36	5.80	20	
Benzene	35.52	0.300	40	0	88.8	71.5	118	37.05	4.22	20	
Chlorobenzene	43.89	1.00	40	0	110	79.8	114	44.9	2.28	20	
Toluene	43.99	1.00	40	0	110	79.6	121	45.49	3.35	20	
Trichloroethene	35.73	1.00	40	0	89.3	73.6	120	37.49	4.81	20	

Sample ID	CCV-19701	SampType:	CCV	TestCode:	8260_W	Units:	µg/L	Prep Date:		Run ID:	5973J_071015B
Client ID:	ZZZZZ	Batch ID:	19701	TestNo:	SW8260B			Analysis Date:	10/15/2007	SeqNo:	497233

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	37.67	1.00	40	0	94.2	80	120	0	0		
1,2-Dichloropropane	33.47	1.00	40	0	83.7	80	120	0	0		
Chloroform	34.67	1.00	40	0	86.7	80	120	0	0		
Ethylbenzene	43.26	1.00	40	0	108	80	120	0	0		
Toluene	44.04	1.00	40	0	110	80	120	0	0		
Vinyl chloride	32.89	1.00	40	0	82.2	80	120	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024866

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270LL_W

Sample ID: **MB-19684**	SampType: **MBLK**	TestCode: **8270LL_W**	Units: **ug/L**	Prep Date: **10/11/2007**	Run ID: **5973G_071012B**				
Client ID: **ZZZZZ**	Batch ID: **19684**	TestNo: **SW8270D**		Analysis Date: **10/12/2007**	SeqNo: **497067**				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
2,4,5-Trichlorophenol	ND	5.00									
2,4,6-Trichlorophenol	ND	5.00									
2,4-Dichlorophenol	ND	3.00									
2,4-Dimethylphenol	ND	3.00									
2,4-Dinitrophenol	ND	10.0									
2,4-Dinitrotoluene	ND	5.00									
2,6-Dinitrotoluene	ND	5.00									
2-Chloronaphthalene	ND	1.00									
2-Chlorophenol	ND	1.00									
2-Methylnaphthalene	ND	1.00									
2-Methylphenol	ND	2.00									
2-Nitroaniline	ND	5.00									
2-Nitrophenol	ND	5.00									
3,3'-Dichlorobenzidine	0.49	5.00									J
3-&4-Methylphenol	ND	10.0									
3-Nitroaniline	ND	6.00									
4,6-Dinitro-2-methylphenol	ND	10.0									
4-Bromophenyl phenyl ether	ND	1.00									
4-Chloro-3-methylphenol	ND	2.00									
4-Chloroaniline	ND	3.00									
4-Chlorophenyl phenyl ether	ND	1.00									
4-Nitroaniline	ND	5.00									
4-Nitrophenol	ND	5.00									
Acenaphthene	ND	1.00									
Acenaphthylene	ND	1.00									
Anthracene	ND	1.00									
Benz(a)anthracene	ND	1.00									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024867

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270LL_W

Sample ID: MB-19684	SampType: MBLK	TestCode: 8270LL_W	Units: ug/L	Prep Date: 10/11/2007	Run ID: 5973G_071012B
Client ID: ZZZZZ	Batch ID: 19684	TestNo: SW8270D		Analysis Date: 10/12/2007	SeqNo: 497067

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	0.33	1.00									J
Benzo(b)fluoranthene	ND	1.00									
Benzo(g,h,i)perylene	ND	1.00									
Benzo(k)fluoranthene	ND	1.00									
Benzoic Acid	ND	20.0									
Benzyl Alcohol	ND	5.00									
Bis(2-chloroethoxy)methane	ND	1.00									
Bis(2-chloroethyl)ether	ND	2.00									
Bis(2-chloroisopropyl)ether	ND	1.00									
Bis(2-ethylhexyl)phthalate	ND	1.00									
Butyl benzyl phthalate	ND	1.00									
Carbazole	ND	1.00									
Chrysene	ND	1.00									
Di-n-butyl phthalate	ND	1.00									
Di-n-octyl phthalate	0.68	1.00									J
Dibenz(a,h)anthracene	ND	1.00									
Dibenzofuran	ND	1.00									
Diethyl phthalate	ND	1.00									
Dimethyl phthalate	ND	1.00									
Fluoranthene	ND	1.00									
Fluorene	0.7	1.00									J
Hexachlorobenzene	ND	1.00									
Hexachlorobutadiene	ND	2.00									
Hexachlorocyclopentadiene	ND	5.00									
Hexachloroethane	ND	2.00									
Indeno(1,2,3-cd)pyrene	ND	1.00									
Isophorone	ND	1.00									
N-Nitrosodi-n-propylamine	ND	2.00									
N-Nitrosodimethylamine	ND	1.00									
N-Nitrosodiphenylamine	ND	1.00									
Naphthalene	ND	1.00									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024868

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270LL_W

Sample ID: MB-19684	SampType: MBLK	TestCode: 8270LL_W	Units: ug/L	Prep Date: 10/11/2007	Run ID: 5973G_071012B
Client ID: ZZZZZ	Batch ID: 19684	TestNo: SW8270D		Analysis Date: 10/12/2007	SeqNo: 497067

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	0.32	1.00									J
Pentachlorophenol	ND	5.00									
Phenanthrene	ND	1.00									
Phenol	0.22	2.00									J
Pyrene	ND	1.00									
Pyridine	ND	5.00									
Surr:2,4,6-Tribromophenol	98.97	0	100	0	99	33.1	99.7	0	0		
Surr: 2-Fluorobiphenyl	54.81	0	100	0	54.8	33.1	96.2	0	0		
Surr: 2-Fluorophenol	51.14	0	100	0	51.1	13.4	57.1	0	0		
Surr: 4-Terphenyl-d14	79.76	0	100	0	79.8	41	122	0	0		
Surr: Nitrobenzene-d5	85.7	0	100	0	85.7	28.9	99.9	0	0		
Surr: Phenol-d6	37.82	0	100	0	37.8	10.6	38.5	0	0		

Sample ID: LCS-19684	SampType: LCS	TestCode: 8270LL_W	Units: ug/L	Prep Date: 10/11/2007	Run ID: 5973G_071012B
Client ID: ZZZZZ	Batch ID: 19684	TestNo: SW8270D		Analysis Date: 10/12/2007	SeqNo: 497070

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	26.15	1.00	50	0	52.3	27.5	88.1	0	0		
1,4-Dichlorobenzene	21.76	1.00	50	0	43.5	27.8	80.9	0	0		
2,4-Dinitrotoluene	47.92	5.00	50	0	95.8	52.9	97.6	0	0		
2-Chlorophenol	38.91	1.00	50	0	77.8	27.8	77.9	0	0		
4-Chloro-3-methylphenol	43.92	2.00	50	0	87.8	33.5	88.5	0	0		
4-Nitrophenol	20.31	5.00	50	0	40.6	11.4	49.1	0	0		
Acenaphthene	41.57	1.00	50	0	83.1	39.8	94.2	0	0		
N-Nitrosodi-n-propylamine	53.28	2.00	50	0	107	33.9	92.1	0	0		S,O
Pentachlorophenol	41.7	5.00	50	0	83.4	43.3	113	0	0		
Phenol	18.03	2.00	50	0.22	35.6	10.4	46.1	0	0		
Pyrene	43.12	1.00	50	0	86.2	59.4	119	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blan

SCOEPA00024869

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: 8270LL_W

Sample ID: 0710073-02AMS	SampType: MS	TestCode: 8270LL_W	Units: ug/L	Prep Date: 10/11/2007	Run ID: 5973G_071012B
Client ID: 07-126-CE-g	Batch ID: 19684	TestNo: SW8270D		Analysis Date: 10/12/2007	SeqNo: 497069

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	14.55	0.952	47.62	0	30.6	27.5	88.1	0	0		
1,4-Dichlorobenzene	9.314	0.952	47.62	0	19.6	27.8	80.9	0	0		S
2,4-Dinitrotoluene	35.7	4.76	47.62	0	75	52.9	97.6	0	0		
2-Chlorophenol	25.43	0.952	47.62	0	53.4	27.8	77.9	0	0		
4-Chloro-3-methylphenol	33.57	1.90	47.62	0	70.5	33.5	88.5	0	0		
4-Nitrophenol	11.35	4.76	47.62	0	23.8	11.4	49.1	0	0		
Acenaphthene	30.86	0.952	47.62	0	64.8	39.8	94.2	0	0		
N-Nitrosodi-n-propylamine	36.07	1.90	47.62	0	75.7	33.9	92.1	0	0		
Pentachlorophenol	32.78	4.76	47.62	0	68.8	43.3	113	0	0		
Phenol	14.43	1.90	47.62	0.1905	29.9	10.4	46.1	0	0		
Pyrene	34.29	0.952	47.62	0	72	59.4	119	0	0		

Sample ID: CCV-19684	SampType: CCV	TestCode: 8270LL_W	Units: ug/L	Prep Date:	Run ID: 5973G_071012B
Client ID: ZZZZZ	Batch ID: 19684	TestNo: SW8270D		Analysis Date: 10/12/2007	SeqNo: 497066

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	37.51	1.00	40	0	93.8	80	120	0	0		
2,4,6-Trichlorophenol	36.3	5.00	40	0	90.8	80	120	0	0		
2,4-Dichlorophenol	39.79	3.00	40	0	99.5	80	120	0	0		
2-Nitrophenol	41.88	5.00	40	0	105	80	120	0	0		
4-Chloro-3-methylphenol	40.83	2.00	40	0	102	80	120	0	0		
Acenaphthene	36.09	1.00	40	0	90.2	80	120	0	0		
Benzo(a)pyrene	44.55	1.00	40	0	111	80	120	0	0		
Di-n-octylphthalate	38.25	1.00	40	0	95.6	80	120	0	0		
Fluoranthene	36.16	1.00	40	0	90.4	80	120	0	0		
Hexachlorobutadiene	37.89	2.00	40	0	94.7	80	120	0	0		
N-Nitrosodiphenylamine	33.57	1.00	40	0	83.9	80	120	0	0		
Pentachlorophenol	40.3	5.00	40	0	101	80	120	0	0		
Phenol	38.5	2.00	40	0	96.2	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blan

SCOEPA00024870

CLIENT: Siltronic Corporation
Work Order: 0710073
Project: Monthly

ANALYTICAL QC SUMMARY REPORT

TestCode: BOD5

Sample ID: LCS	SampType: LCS	TestCode: BOD5	Units: mg/L	Prep Date:	Run ID: SUBWET_071012A
Client ID: ZZZZZ	Batch ID: R48796	TestNo: E405.1		Analysis Date: 10/12/2007	SeqNo: 498009

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	191.5	2.00	214	0	89.5	85	115	0	0		

Sample ID: LCSD	SampType: LCSD	TestCode: BOD5	Units: mg/L	Prep Date:	Run ID: SUBWET_071012A
Client ID: ZZZZZ	Batch ID: R48796	TestNo: E405.1		Analysis Date: 10/12/2007	SeqNo: 498010

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	173.5	2.00	214	0	81.1	85	115	191.5	9.86	20	S

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan

SCOEPA00024871

KEY TO FLAGS

A	This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards.
A1	This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
A2	This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
A3	The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
B	The blank exhibited a positive result greater than the reporting limit for this compound.
CN	See Case Narrative.
D	Result is based from a dilution.
E	Result exceeds the calibration range for this compound. The result should be considered as estimate.
F	The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
H	Sample was analyzed outside recommended hold time.
HT	At clients request, sample was analyzed outside recommended hold time.
J	The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
K	Diesel result is biased high due to amount of Oil contained in the sample.
L	Diesel result is biased high due to amount of Gasoline contained in the sample.
M	Oil result is biased high due to amount of Diesel contained in the sample.
N	Gasoline result is biased high due to amount of Diesel contained in the sample.
MC	Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
MI	Result is outside control limits due to matrix interference.
MSA	Value determined by Method of Standard Addition.
O	Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
P	Detection levels of Methylene Chloride may be laboratory contamination, due to previous analysis or background levels.
Q	Detection levels elevated due to sample matrix.
R	RPD control limits were exceeded.
RF	Duplicate failed due to result being at or near the method-reporting limit.
RP	Matrix spike values exceed established QC limits, post digestion spike is in control.
S	Recovery is outside control limits.
SC	Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
*	The result for this parameter was greater that the maximum contaminant level of the TCLP regulatory limit.

Rev Dec 15, 2004

CHAIN OF CUSTODY RECORD

Page ___ of ___

Specialty Analytical
19761 S.W. 95th. Avenue
Tualatin, OR 97062
(503) 612-9007 - Phone
(503) 612-8572 - Fax

Contact Person/Project Manager: Tom Rothschild
Company: Jeltronic
Address: 7200 NW Front Ave
Portland, Oregon 97210
Phone: 503.219-7374 Fax: 503.219-4144
Project No.: ___ Project Name: Monthly
Invoice To: Accts Payable P.O. No.: 4500521869

Collected By:
Signature: Dianne Irish
Printed: Dianne Irish

Signature: ___
Printed: ___

Turn Around Time
☐ Normal
☒ Rush ___
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No.: OH10073
Shipped Via: Specialty
Air Bill No.: ___
Temperature On Receipt: Amb °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	Analyses: BOD	Cr(T)	As(T)	608	624	625	1-2, Diphenylhydrazine	8270	8240	Comments	Lab I.D.
10.11.07	1320	07-126-CE-S	W	14				X	X	X	X	X	X		
10.11.07	1325	07-130-CE-S	W	2	X	X	X								

Relinquished By:	Date	Time	Received By:	Relinquished By:	Date	Time
Dianne Irish	10/11/07	1400	Nikki Sutton			
Company: Jeltronic			Company: Specialty	Company:		

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.
Copies: White-Original Yellow-Project File Pink-Customer Copy

Received For Lab By: Nikki Sutton — Date: 10/11/07 — Time: 1453

SCOEPA0024873

BENCHSHEET

pH

Test Date: 10·16·07 Sample Date: 10·16·07 Analyst: DJ

Slope: 99.7 (Range: 92 to 102%)

Standards:

4.0 mg/L: Lot #: 1603735 Date Opened: 8/18/06

7.0 mg/L: Lot #: ~~6111~~ 1611562 Date Opened: 5/9/07

10.0 mg/L: Lot #: 1608475 Date Opened: 2/1/07

Sample	pH Units
①CE - composite (10.11.07)	7.1
②WWS - grab @ 1300	9.9

Notes: sample kept refridgerated - DEQ split

Reference: 1. Standard Methods For The Examination of Water And Wastewater, 2005, 21st Edition, Section 4500-H^+ B page 4-90.

DEI 13 Aug 2003
DEI 01 Jun 2007 Revised

N:\ENVIRONMENTAL\FACLAB\WWTP\BENCH\PHB.DOC

BENCHSHEET

PHOSPHATES (PO_4)

Sample Date: 10·11·07 Analyst: DI

Note: Rinse all glassware with 1:1 HCl before using.

1. 25 ml aliquot in 50 ml Erlenmeyer flask.
2. Add one Potassium Persulfate Pillow, Hach #2451. (Hach Lot # A71414)
3. Add 2 ml H_2SO_4, 5.25 N. Swirl. (Hach Lot # A7080)
4. Gently boil for 30 minutes.
5. Cool to room temperature
6. Add 2 ml NaOH, 5.0 N. Swirl. (Hach Lot # A7087)
7. Use Hach DR/4000 Method 8190, Phosphorous Reactive, Low Range: 0-2.500 mg/L, HACH Program 3025.
8. Hach PhosVer 3 Phosphate Reagent Powder Pillow Lot # A6326.
9. DR/4000 reading: CE: 0.176 mg/L MV-3: 0.503 mg/L

   Other Sample: _____ : _____ mg/L
10. Quality Control: Spike each sample with 0.020 ml of 500 mg/L Phosphate Standard. This should increase the concentration by 1.000 mg/L.

	CE mg/L	MV-3 mg/L	
	1.271		
After Spike Concentration:	~~1.284~~ DI	1.543	
% Recovery:	109.5	104	

% Recovery acceptable range: 80 - 120%

Comments: _____

Notes: NPDES Permit Limits: Both CE and MV-3 each: Daily Maximum = 15 mg/L; Monthly Average = 10 mg/L.

References:
1. Standard Methods for the Examination of Water and Wastewater, 1998, 20th Edition, Section 4500-P B&E. page 4-142
2. NPDES Permit #101128.

TJR 27 Nov 1991
DEI 29 Sep 2005 Revised

N:\ENVIRONMENTAL\FACLAB\WWTP\BENCH\PHOSPHAB10ML.DOC

SCOEPA00024875

BENCHSHEET

FLUORIDE ANALYSIS

Test Date: 10.11.07 Sample Date: 10.11.07 Analyst: DI

Slope: -59.5 (Range: -54 to -60 mV)

Standards:

1.0 mg/L: Lot #: A7039 Date Opened: 8/10/07

10.0 mg/L: Lot #: A7072 Date Opened: 8/10/07

Data:

Sample	Fluoride, mg/L
CE (1:1)	4.98 x 2 = 9.96

Quality Control: Spike each of the above samples with 0.1 ml of 1000 mg/L Standard. The Fluoride concentration should increase by 2.0 mg/L.
Manufacturer: RICCA
Lot Number: 1707358

_ CE

After Spike Concentration: 6,9 mg/L _____ mg/L _____ mg/L

Recovery: 96 % _____ % _____ %

% Recovery acceptable range: 80 - 120%

Comments: _____

_____

_____

Note: NPDES permit: monthly avg. 17.4 mg/L, daily max. 32 mg/L.

References:

1. Standard Methods For The Examination of Water And Wastewater, 1998 20th Edition, Section 4500-F C, page 4-81.
2. Orion Research Manual for the Fluoride Electrode, Model 940900, 1991.
3. NPDES Permit #101128.

TJR 06 Apr 1987
DEM 09 Mar 2004 Revised

SCOEPA00024876

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 10·11·07 Oven Temp: 106 C Analyst: DI

Date In: 10·11·07 Time In/Out: 1420 / 1140 (10·12·07)

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
13	Blank	NA	0.0887	0.0887	
14	CE	500	0.0922	0.0919	0.6
15	CE	500	0.0895	0.0893	0.4
				Average CE TSS	0.5
16	OWW	100	0.0963	0.0889	74
17	OWW	100	0.0967	0.0898	69
				Average OWW TSS	71.5
				Average TSS	
				Average TSS	

Comments: _____

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 2005, 21st Edition, Section 2540 D, page 2-58.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 01 Jun 2007 Revised

SCOEPA00024877

siltronic
perfect silicon solutions

Koreen Lail
Environmental Affairs

Siltronic Corporation
7200 NW Front Avenue,
M/S 30
Portland OR 97210-3676,
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

Brian Laurent
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 055.KLL

2007-October-16

August 2007 CAD Diversion

Dear Mr. Laurent,

Pursuant to your email request of October 16th 2007 attached are the analyticals associated with the August 14, 2007 diversion of the CAD line to the OWW for maintenance purposes.

If you have any questions, please contact Koreen Lail.

Regards,

Siltronic Corporation

Koreen Lail
Environmental Affairs

CAD Diversion to OWW
August 14th, 2007

Time diversion started: 04:14 8/14 Initial: [signature]

Time diversion stopped: 20:00 8/14 Initial: [signature]

CAD Meter Read: (FAB 2 CAD Totalizer)

Start: 04:14 964330 Initial: [signature]

End: 20:00 965180 Initial: [signature]

OWW Meter Read:

Start: 04:14 185985 Initial: [signature]

End: 20:00 192780 Initial: [signature]

OWW Sampler:

Start: 04:07 Initial: JGL

End: 20:00 Initial: [signature]

Notes

BENCHSHEET

pH

Test Date: 8.16.07 Sample Date: 8.16.07 Analyst: DJ

Slope: -98.9 (Range: 92 to 102%)

Standards:

4.0 mg/L: Lot #: _____ Date Opened: _____

7.0 mg/L: Lot #: 1611562 Date Opened: 5/9/07

10.0 mg/L: Lot #: 1605475 Date Opened: 2/1/07

Sample	pH Units
OWW-grab 8/16/07@0650	9.34
①OWW - 16 hr Composite	8.58

Notes: ①OWW - 8/14/07 - Diversion from CAD line maint

Reference: 1. Standard Methods For The Examination of Water And Wastewater, 2005, 21st Edition, Section 4500-H^+ B page 4-90.

DEI 13 Aug 2003
DEI 01 Jun 2007 Revised

N:\ENVIRONMENTAL\FACLAB\WWTP\BENCH\PHB.DOC

BENCHSHEET

FLUORIDE ANALYSIS

Test Date: 8.16.07 Sample Date: 8.16.07 Analyst: DT

Slope: -56.8 (Range: -54 to -60 mV)

Standards:

1.0 mg/L: Lot #: A7039 Date Opened: 8.10.07

10.0 mg/L: Lot #: A7072 Date Opened: 8.10.07

Data:

Sample	Fluoride, mg/L
CE	9.41
OWW @ (1:2 dil)	6.67 X 2 = 13.34

Quality Control: Spike each of the above samples with 0.1 ml of 1000 mg/L Standard. The Fluoride concentration should increase by 2.0 mg/L.
Manufacturer: RICCA
Lot Number: 1707358

	CE	OWW	
After Spike Concentration:	11.3 mg/L	8.78 mg/L	mg/L
Recovery:	94.5 %	105.5 %	%

% Recovery acceptable range: 80 - 120%

Comments: @ OWW: Diversion from CAD line maint- sample date 8.14.07

Note: NPDES permit: monthly avg. 17.4 mg/L, daily max. 32 mg/L.

References:

1. Standard Methods For The Examination of Water And Wastewater, 1998 20th Edition, Section 4500-F C, page 4-81.
2. Orion Research Manual for the Fluoride Electrode, Model 940900, 1991.
3. NPDES Permit #101128.

TJR 06 Apr 1987
DEM 09 Mar 2004 Revised

SCOEPA00024881

BENCHSHEET

TOTAL SUSPENDED SOLIDS (TSS)

Sample Date: 8.16.07 Oven Temp: 104 C Analyst: DI

Date In: 8.16.07 Time In/Out: 0900 / 1300

Tin #	Sample	Vol, ml	Gross Wt, g	Tare Wt, g	TSS, mg/L
1	Blank	NA	0.0904	0.0904	
2	CE	500	0.0906	0.0889	3.4
3	CE	500	0.0903	0.0886	3.4
				Average CE TSS	3.4
4	OWW	100	0.0995	0.0890	105
5	OWW	100	0.0984	0.0885	99
				Average OWW TSS	102
6	OWW①	25	0.1649	0.0906	2,972
7	OWW①	25	0.1461	0.0893	2,272
				Average TSS	2,622
				Average TSS	

Comments: ① OWW: Diversion from CAD line maint. sample date 8/14/07

Calculation: TSS, mg/L = $\frac{\text{(Gross Wt, g - Tare Wt, g) X 1,000,000}}{\text{Volume of Sample, ml}}$

Note: NPDES permit: monthly avg. 23 mg/L, daily max. 61 mg/L.
POTW permit: daily max 350 mg/L.

Reference: 1. Standard Methods for the Examination of Water and Wastewater, 2005, 21st Edition, Section 2540 D, page 2-58.
2. National Pollution Discharge Elimination System Permit #101128.

TJR 21 Mar 1987
DEI 01 Jun 2007 Revised

SCOEPA00024882

BENCHSHEET

TOTAL DISOLVED SOLIDS (TDS)

Sample Date: 8.14.07 Date In: 8.16.07 Analyst: DJ

Oven Temp: 180 Time In/Out: 1410 / 0900 8.20.07

Dish#/Sample	Vol, ml	Dry+dish,mg	Dish , mg	TDS, mg/L
#1 /OWW	100ml	104,390	104,110	2,800

Notes: OWW - 16 hr composite, from Diversion from CAD Lines Maint.

Calculation: TDS, mg/L = $\frac{(A - B) \times 1000}{\text{Volume of Sample, ml}}$

Where:

A = Weight of dried residue + dish mg
B = Weight of dish, mg

Reference: Standard Methods for the Examination of Water and Wastewater, 1995, 19th Edition, Section 2540 C, page 2-55.

TJR 21 Mar 87
DEM 02 Oct 97 Revised

N:\Environmental\FACLAB\WWTP\BENCH\TDS1B.DOC

SCOEPA00024883

Specialty Analytical

19761 S.W. 95th Avenue
Tualatin, OR 97062
(503) 612-9007
Fax (503) 612-8572
1 (877) 612-9007

August 23, 2007

Thomas Rothschild
Siltronic Corporation
7200 NW Front Ave
M/S 30
Portland, OR 97210

TEL: (503) 219-7374
FAX: (503) 219-4144

RE: Weekly

Dear Thomas Rothschild:

Order No.: 0708094

Specialty Analytical received 2 samples on 8/16/2007 for the analyses presented in the following report.

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

Ned Engleson
Project Manager

Technical Review

SCOEPA00024884

Specialty Analytical

Date: *23-Aug-07*

CLIENT: Siltronic Corporation
Project: Weekly
Lab Order: 0708094

Lab ID: 0708094-01
Client Sample ID: 07-108-OWW-C
Collection Date: 8/15/2007 5:50:00 AM
Matrix: WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS BY ICP/MS		**200.8**				Analyst: **zau**
Arsenic	11.2	1.00		ug/L	1	8/17/2007 10:39:00 AM
Chromium	9.35	1.00		ug/L	1	8/17/2007 10:39:00 AM

16 hr diverson

Lab ID: 0708094-02
Client Sample ID: 09-109-CE-C
Collection Date: 8/16/2007 6:10:00 AM
Matrix: WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS BY ICP/MS		**200.8**				Analyst: **zau**
Chromium	ND	1.00		ug/L	1	8/17/2007 10:44:00 AM
BIOLOGICAL OXYGEN DEMAND- 5 DAY		**E405.1**				Analyst: **sub**
Biochemical Oxygen Demand	2.10	2.00		mg/L	1	8/17/2007

SCOEPA00024885

Specialty Analytical

Date: *23-Aug-07*

CLIENT: Siltronic Corporation
Project: Weekly
Lab Order: 0708094

Lab ID: 0708094-01
Client Sample ID: 07-108-OWW-C
Collection Date: 8/15/2007 5:50:00 AM
Matrix: WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS BY ICP/MS		**200.8**				Analyst: **zau**
Arsenic	11.2	1.00		ug/L	1	8/17/2007 10:39:00 AM
Chromium	9.35	1.00		ug/L	1	8/17/2007 10:39:00 AM

Lab ID: 0708094-02
Client Sample ID: 09-109-CE-C
Collection Date: 8/16/2007 6:10:00 AM
Matrix: WASTE WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
METALS BY ICP/MS		**200.8**				Analyst: **zau**
Chromium	ND	1.00		ug/L	1	8/17/2007 10:44:00 AM
BIOLOGICAL OXYGEN DEMAND- 5 DAY		**E405.1**				Analyst: **sub**
Biochemical Oxygen Demand	2.10	2.00		mg/L	1	8/17/2007

SCOEPA00024886

Specialty Analytical

Date: *23-Aug-07*

CLIENT: Siltronic Corporation
Work Order: 0708094
Project: Weekly

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8

Sample ID	MBLK-19234	SampType:	MBLK	TestCode:	200.8	Units:	ug/L	Prep Date:	8/16/2007	Run ID:	ICPMS_070817C
Client ID:	ZZZZZ	Batch ID:	19234	TestNo:	200.8			Analysis Date:	8/17/2007	SeqNo:	485597

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.00									
Chromium	ND	1.00									

Sample ID	LCS-19234	SampType:	LCS	TestCode:	200.8	Units:	ug/L	Prep Date:	8/16/2007	Run ID:	ICPMS_070817C
Client ID:	ZZZZZ	Batch ID:	19234	TestNo:	200.8			Analysis Date:	8/17/2007	SeqNo:	485598

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	55.72	1.00	50	0	111	85	115	0	0		
Chromium	55.69	1.00	50	0	111	85	115	0	0		

Sample ID	0708063-01BMS	SampType:	MS	TestCode:	200.8	Units:	ug/L	Prep Date:	8/16/2007	Run ID:	ICPMS_070817C
Client ID:	ZZZZZ	Batch ID:	19234	TestNo:	200.8			Analysis Date:	8/17/2007	SeqNo:	485601

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	58.36	1.00	50	0.8573	115	70	130	0	0		
Chromium	55.27	1.00	50	0.4112	110	70	130	0	0		

Sample ID	0708063-01BMSD	SampType:	MSD	TestCode:	200.8	Units:	ug/L	Prep Date:	8/16/2007	Run ID:	ICPMS_070817C
Client ID:	ZZZZZ	Batch ID:	19234	TestNo:	200.8			Analysis Date:	8/17/2007	SeqNo:	485602

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	59.27	1.00	50	0.8573	117	70	130	58.36	1.55	20	
Chromium	55.82	1.00	50	0.4112	111	70	130	55.27	0.990	20	

Sample ID	0708063-01BDUP	SampType:	DUP	TestCode:	200.8	Units:	ug/L	Prep Date:	8/16/2007	Run ID:	ICPMS_070817C
Client ID:	ZZZZZ	Batch ID:	19234	TestNo:	200.8			Analysis Date:	8/17/2007	SeqNo:	485600

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.9586	1.00	0	0	0	0	0	0.8573	0	20	J

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blan.
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

SCOEPA00024887

CLIENT: Siltronic Corporation
Work Order: 0708094
Project: Weekly

ANALYTICAL QC SUMMARY REPORT

TestCode: 200.8

Sample ID	0708063-01BDUP	SampType:	DUP	TestCode:	200.8	Units:	ug/L	Prep Date:	8/16/2007	Run ID:	ICPMS_070817C
Client ID:	ZZZZZ	Batch ID:	19234	TestNo:	200.8			Analysis Date:	8/17/2007	SeqNo:	485600

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.3239	1.00	0	0	0	0	0	0.4112	0	20	J

Sample ID	CCV	SampType:	CCV	TestCode:	200.8	Units:	ug/L	Prep Date:		Run ID:	ICPMS_070817C
Client ID:	ZZZZZ	Batch ID:	19234	TestNo:	200.8			Analysis Date:	8/17/2007	SeqNo:	485603

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	51.77	1.00	50	0	104	90	110	0	0		
Chromium	51.68	1.00	50	0	103	90	110	0	0		

Sample ID	CCV	SampType:	CCV	TestCode:	200.8	Units:	ug/L	Prep Date:		Run ID:	ICPMS_070817C
Client ID:	ZZZZZ	Batch ID:	19234	TestNo:	200.8			Analysis Date:	8/17/2007	SeqNo:	485611

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	51.69	1.00	50	0	103	90	110	0	0		
Chromium	50.21	1.00	50	0	100	90	110	0	0		

Sample ID	ICV	SampType:	ICV	TestCode:	200.8	Units:	ug/L	Prep Date:		Run ID:	ICPMS_070817C
Client ID:	ZZZZZ	Batch ID:	19234	TestNo:	200.8			Analysis Date:	8/17/2007	SeqNo:	485596

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	51.03	1.00	50	0	102	90	110	0	0		
Chromium	51.28	1.00	50	0	103	90	110	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan.

SCOEPA00024888

CLIENT: Siltronic Corporation
Work Order: 0708094
Project: Weekly

ANALYTICAL QC SUMMARY REPORT

TestCode: BOD5

Sample ID LCS	SampType: LCS	TestCode: BOD5	Units: mg/L	Prep Date:	Run ID: SUBWET_070817A
Client ID: ZZZZZ	Batch ID: R48061	TestNo: E405.1		Analysis Date: 8/17/2007	SeqNo: 486916

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	210	2.00	214	0	98.1	85	115	0	0		

Sample ID LCSD	SampType: LCSD	TestCode: BOD5	Units: mg/L	Prep Date:	Run ID: SUBWET_070817A
Client ID: ZZZZZ	Batch ID: R48061	TestNo: E405.1		Analysis Date: 8/17/2007	SeqNo: 486917

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biochemical Oxygen Demand	206	2.00	214	0	96.3	85	115	210	1.92	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blan.

SCOEPA00024889

KEY TO FLAGS

A	This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was quantified against gasoline calibration standards.
A1	This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was quantified against diesel calibration standards.
A2	This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was quantified against a lube oil calibration standard.
A3	The result was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.
B	The blank exhibited a positive result greater than the reporting limit for this compound.
CN	See Case Narrative.
D	Result is based from a dilution.
E	Result exceeds the calibration range for this compound. The result should be considered as estimate.
F	The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.
H	Sample was analyzed outside recommended hold time.
HT	At clients request, sample was analyzed outside recommended hold time.
J	The result for this analyte is between the MDL and the PQL and should be considered as estimated concentration.
K	Diesel result is biased high due to amount of Oil contained in the sample.
L	Diesel result is biased high due to amount of Gasoline contained in the sample.
M	Oil result is biased high due to amount of Diesel contained in the sample.
N	Gasoline result is biased high due to amount of Diesel contained in the sample.
MC	Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
MI	Result is outside control limits due to matrix interference.
MSA	Value determined by Method of Standard Addition.
O	Laboratory Control Standard (LCS) exceeded laboratory control limits, but meets CCV criteria. Data meets EPA requirements.
P	Detection levels of Methylene Chloride may be laboratory contamination, due to previous analysis or background levels.
Q	Detection levels elevated due to sample matrix.
R	RPD control limits were exceeded.
RF	Duplicate failed due to result being at or near the method-reporting limit.
RP	Matrix spike values exceed established QC limits, post digestion spike is in control.
S	Recovery is outside control limits.
SC	Closing CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
*	The result for this parameter was greater that the maximum contaminant level of the TCLP regulatory limit.

Rev Dec 15, 2004

CHAIN OF CUSTODY RECORD

Page ___ of ___

Specialty Analytical
19761 S.W. 95th. Avenue
Tualatin, OR 97062
(503) 612-9007 - Phone
(503) 612-8572 - Fax

Contact Person/Project Manager: Tom Rothschild
Company: Siltronic
Address: 7200 N.W Front Ave
Portland, OR
Phone: 503-219-7374 Fax: 503-219-4144
Project No.: ___ Project Name: Weekly
Invoice To: Accts Payable P.O. No.: 4500521869

Collected By:
Signature: Dianne Irish
Printed: Dianne Irish

Signature: ___
Printed: ___

Turn Around Time
☒ Normal
☐ Rush ___
Specify
Rush Analyses Must Be Scheduled With The Lab In Advance

For Laboratory Use
Lab Job No.: 0708094
Shipped Via: Specialty
Air Bill No.: ___
Temperature On Receipt: 5 °C
Specialty Analytical Containers? Y / N
Specialty Analytical Trip Blanks? Y / N

Date	Time	Sample I.D.	Matrix	No. of Containers	Analyses: Total ATS	Analyses: Total Cr	Analyses: BOD	Comments	Lab I.D.
8.15.07	0550	07-108-OWW-C	WW		X	X		Sample ID Fixed per email (V) 8/17/07	
8.16.07	0610	09-109-CE-C	WW			X	X		

Relinquished By:	Company:	Date	Time	Received By:	Company:	Relinquished By:	Company:	Date	Time
Dianne Irish	Siltronic	8/14/07	11:30	Nikki Sutton	Specialty	→			

Unless Reclaimed, Samples Will Be Disposed of 60 Days After Receipt.
Copies: White-Original Yellow-Project File Pink-Customer Copy

Received For Lab By: Nikki Sutton Date: 8/16/07 Time: 1314

SCOEPA00024891

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	DISCHARGE NUMBER
101128	Outfall 001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	9	1	TO	2007	9	30

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-04

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-65)	FREQUENCY OF ANALYSIS (54-61)	SAMPLE TYPE (66-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,447	3,702	m^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--			totalizing recorder	
BOD	SAMPLE MEASUREMENT	20.4	25.9	kg/day	--	6.0	8.1	mg/L		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	7.7	11.1	kg/day	--	2.3	3.1	mg/L		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			kg/day	--			mg/L			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	kg/day	--	<0.001	<0.001	mg/L		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	24.7	26.5	kg/day	--	7.2	7.7	mg/L		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/L		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319.

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020
DATE: YEAR 07 | MO 10 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
(1) Chrome batches are no longer being treated on site. pH outages: none

KLC 1054

SCOEPA00024892

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	9	1	TO	2007	9	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	kg/day	--	--	<0.02	mg/L		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					1.0	2.8	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
pH excursions > 60 minutes	SAMPLE MEASUREMENT								0	monthly	
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years.)

Siltronic Corp. by: Karen Tail for Siltronic

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	07	10	9
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024893

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

Site ID 93450

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) 101128	(17-18) Outfall 002
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	9	1	TO	2007	9	30
	(19-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	MAXIMUM (54-61)	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	MAXIMUM (54-61)	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	999	2,135	m^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.1	0.2	mg/L		1/7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 per violation, imprisonment of between 6 months and 5 years, or both.)

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 07 | MO 10 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024894

SUBMITTER NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) (17-19)

101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	9	1	TO	2007	9	30
	(30-31)	(32-33)	(34-35)		(36-37)	(38-39)	(40-41)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (62-69) QUALITY OR CONCENTRATION (70-77) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	4,446	5,584	m^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	79.1	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.21	7.29	7.87			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
pH excursions > 60 minutes	SAMPLE MEASUREMENT								0	Daily	average
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 [illegible]

Siltronic Corp by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 07 | MO 10 | DAY 9

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024895

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
September-07 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
6	5.4	19.36	3.1	11.1	7.4	26.53	0.099	0.355	0.0005	0.0018	0.000	0.000	0.000	0.000
13	8.1	25.9	3.1	9.9	6.6	21.09	0.202	0.645	0.0005	0.0016	0.000	0.000	0.000	0.000
20	6.0	20.8	1.4	4.8	7.3	25.11	0.133	0.459	0.0005	0.0017	0.000	0.000	0.000	0.000
27	4.6	15.7	1.5	5.1	7.7	26.23	0.093	0.317	0.0005	0.0017	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3449	1	1.3	1	7.8
2	3702	2	1.3	2	7.9
3	3699	3	1.4	3	7.4
4	3373	4	1.2	4	8.0
5	3377	5	1.4	5	7.4
6	3585	6	1.0	6	7.2
7	3441	7	1.2	7	7.8
8	3449	8	1.1	8	7.4
9	3490	9	0.8	9	8.0
10	3381	10	0.8	10	8.0
11	3524	11	1.0	11	7.8
12	3445	12	1.0	12	7.8
13	3195	13	1.3	13	7.6
14	3263	14	1.5	14	7.9
15	3403	15	0.9	15	8.0
16	3479	16	1.1	16	8.0
17	3672	17	0.9	17	8.3
18	3589	18	1.0	18	8.2
19	3399	19	0.8	19	7.9
20	3449	20	0.8	20	8.0
21	3422	21	0.7	21	7.5
22	3354	22	1.0	22	7.9
23	3229	23	0.7	23	7.9
24	3271	24	1.0	24	7.9
25	3331	25	0.7	25	7.9
26	3555	26	0.8	26	7.7
27	3407	27	0.7	27	8.1
28	3452	28	0.8	28	8.1
29	3555	29	0.8	29	8.2
30	3471	30	0.5	30	8.2
31		31		31	
Total:	103412				

(002) DAILY FLOW'S	
Day	M^3
1	920
2	1060
3	882
4	920
5	1340
6	496
7	977
8	927
9	810
10	878
11	1204
12	545
13	946
14	905
15	1196
16	1242
17	1291
18	401
19	1158
20	2135
21	890
22	969
23	859
24	1011
25	1079
26	1086
27	723
28	1113
29	1007
30	996
31	
Total:	29967

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.191	0.000	0.000
0.068	0.000	0.000
0.090	0.000	0.000
0.035	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Kregg Lai for Siltronic	10/9/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

siltronic
perfect silicon solutions

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue,
M/S 30
Portland OR 97210-3676,
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

Brian Laurent
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 053.KLL

2007-October-8

September 2007 Industrial Discharge Report

Dear Mr. Laurent,

Enclosed are the September 2007 monthly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

The TSS sampling results were higher than normal in September. The composite sample taken 9/5/07 measured 648 mg/L. A re-sample composite was taken 9/6/07 measured 64.0 mg/L. The next composite sample taken 9/13/07 measured 632 mg/L. A re-sample composite taken 9/14/07 measured 87.5 mg/L. The next composite sample taken 9/20/07 measured 474.5 mg/L. A re-sample composite was taken 9/21/07 measured 137.5 mg/L. (See the table below.)

DATE	TSS	Date	TSS Resample
9/5/2007	648 mg/L	9/6/2007	64 mg/L
9/13/2007	632 mg/L	9/14/2007	87.5 mg/L
9/20/2007	474.5 mg/L	9/21/2007	137.5 mg/L
9/29/2007	63 mg/L		
10/7/2007	98 mg/L		

The WWTP staff found that there were several small blisters, and one hole, in the filter press cloths. Other items that may have contributed to the higher numbers were:

- Not flushing the lines long enough prior to sampling.
- The sampler tubing needing replacement.

After the cloths were replaced, samples were taken 9/29 and 10/7 and the TSS was found to be 63.0 mg/L and 98.0 mg/L, respectively. The sampler tubing is scheduled to be replaced before 10/10/07.

siltronic
perfect silicon solutions

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosures:
Special Account Meter Report Document
Industrial Wastewater Discharge Self-Monitoring Report
cc: Tom Rothschild/ POTW-IDR File
cc: Nick Frederick, Justin Darr, Tom McCue, Moe Khorsandian

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15th of the Month following the sampling period.

SAMPLING PERIOD: September 2007

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By
Comments:	

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE	pH METER BRAND		pH METER MODEL		pH Discharge Limits
#1B (Fab 2)	Orion		720A		5.0 - 11.5 S.U.

Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration		COMMENTS
					Date	Buffer used	
28 Sep 2007	1245	9.8	YES	(NO)	28 Sep 2007	7.0 and 10.0	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
September 2007	No Excursions			YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Seil for Siltronic Date: 10/5/07

N:\Environmental\FACLAB\WWTP\BES Monthly Reports\Monthly\September 2007.doc

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
503-219-7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

September-07

1. OWW DISCHARGE

ACTUAL READINGS

	FAB 1	FAB 2	
PAST READING	109367	297,435	(100s of GALLONS)
CURRENT READING	109367	470,835	(100s of GALLONS)
CONSUMPTION	0	173,400	(100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,734,000	(10s of GALLONS)	

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,734,000	* 10 GAL / 7.48 GAL/CF =	2,318,182 CF
TOTAL THROUGH OVERFL(	0	* 10 GAL / 7.48 GAL/CF =	0 CF
TOTAL CONSUMPTION			2,318,182 CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	2,763,430	(10s of GALLONS)
CURRENT READING	2,810,679	(10s of GALLONS)
CONSUMPTION	47,249	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	47,249	* 10 GAL / 7.48 GAL/CF=	63,167 CF

This meter reading was reported by: C. Justin Darr on 10/8/07 (date)

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Brian Laurent
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024900

siltronic
perfect silicon solutions

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
koreen.tail@siltronic.com

ER052:KL

Dr. Elliot Zais
Water Quality Source Control
Department of Environmental Quality Northwest Region
2020 SW Fourth Avenue, Suite 400
Portland, Oregon 97201-4987

2007-September-10

August 2007 Bioassay results

Dear Dr. Zais,

The Bioassay of Siltronic's effluent **passes the requirements** of our NPDES permit number 101128.

The Bioassay was performed on three species: *Ceriodaphnia dubia* (water flea), *Pimephales promelas* (fathead minnow) and *Raphidocelis subcapitata* (green algae). The analyses were performed at the following dilutions, which are based on the average of three mixing zone dilution studies[1], as percentage effluent: 1.90%, 3.75%, 7.5%, 15% and 30%. Samples were taken August 6 though August 10, 2007. The analytical methods used were "*Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, Weber, C. et al. (1994); EPA/600/4-91/002*" and *"Whole Effluent Toxicity Testing Guidance Document, Oregon Department of Environmental Quality, January 1993".*

Ceriodaphnia dubia

Acute Toxicity test results indicated no statistically significant reduction in survival at any of the effluent concentrations tested when compared to the control. The no observed effect concentration (NOEC) and lowest observed effect concentration (LOEC) were 30% and greater than 30% effluent, respectively. Control survival was 100%. The LC_{50} value (concentration of sample causing a 50% reduction in survival) was calculated to be greater than 30% effluent. The effluent dilution concentration at the edge of Siltronic's zone of immediate dilution (ZID) is $\geq$ 13.4% effluent[1].

Chronic Toxicity test results indicated a statistically significant reduction in reproduction at the 30% effluent concentration when compared to the control. The NOEC and LOEC were 7.5% and 15% effluent, respectively. Control survival was 100%. The IC_{25} value (concentration of sample causing a 25% reduction in biological measurement) calculated on reproduction was 3.23% effluent concentration. The effluent dilution concentration at the edge of Siltronic's mixing zone is $\geq$ 1.8% effluent[1].

Pimephales promelas (dual endpoint)

Acute Toxicity test results indicated no statistically significant reduction in survival or growth at any of the effluent concentrations tested when compared to the control. The NOEC and LOEC were 30% and greater than 30% effluent, respectively. Control survival was 100%. The LC_{50} value for growth was calculated to be greater than 30% effluent. The effluent dilution concentration at the edge of Siltronic's ZID is $\geq$ 13.4% effluent[1].

Chronic Toxicity test results indicated no statistically significant reduction in survival or growth at any of the effluent concentrations tested when compared to the control. The NOEC and LOEC were 30% and greater than 30% effluent, respectively. Control survival was 97.5%. The IC_{25} value for growth was calculated to be greater than 30% effluent. The effluent dilution concentration at the edge of Siltronic's mixing zone is $\geq$ 1.8% effluent[1].

siltronic
perfect silicon solutions

Raphidocelis subcapitata

Chronic Toxicity test results indicated that there was a statistically significant reduction in growth at the 30 percent effluent concentration tested when compared to the control. The NOEC and LOEC were 15 and 30 percent effluent, respectively. The IC_{25} value was calculated to be greater than 30% effluent. The effluent dilution concentration at the edge of Siltronic's mixing zone is ≥ 1.8% effluent[1].

Summary of CH2MHill results for August 2007

Acute (48-hour) Results:	Ceriodaphnia dubia	Pimephales promelas	
NOEC	30%	30% (% Effluent)	
ZID Pass Criteria[1]	≥13.4%	≥13.4%	
Chronic Results:	**Ceriodaphnia dubia**	**Pimephales promelas**	**Raphidocelis subcapitata**
NOEC	7.5%	30%	15% (% Effluent)
Mixing Zone Pass Criteria[1]	≥ 1.8%	≥ 1.8%	≥ 1.8%

If you have any questions, please contact Koreen Lail at (503) 219-7994.

Regards,
Siltronic Corporation

Thomas McCue
Environmental Manager

cc: Tom Rothschild
NPDES Bioassay File

[1] CH2MHILL Mixing Zone Effluent Dilution Evaluations prepared for Siltronic Corporation in 1994, 1995 and 1996. The NPDES discharge permit defines, for Siltronic's effluent discharge to the Willamette River, a zone of initial dilution (ZID) having a 5-foot radius from the point of discharge at Outfall 003, and a mixing zone having a 50-foot radius from the point of discharge at Outfall 003. The average of the three mixing zone dilution studies identified worst-case (0.1-feet/ second as current velocity) dilutions at distances of 5 and 50 feet from the discharge point of 7.5:1 and 55.5:1 ($Q_{Total}/Q_{Effluent}$), respectively. These dilutions are equivalent to 13.4% effluent at the edge of the ZID and 1.8% effluent at the edge of the mixing zone. According to the discharge permit, the effluent is considered to be acutely toxic if an acute test No-Observable-Effects-Concentration (NOEC) is less than 13.4% effluent, and is considered to be chronically toxic if a chronic test NOEC is less than 1.8% effluent. **Conversely, the effluent is in compliance for toxicity if the acute test NOEC is greater than or equal to (≥) 13.4% effluent and the chronic test NOEC is greater than or equal to (≥) 1.8% effluent.**

siltronic
perfect silicon solutions

Koreen Lail
Environmental Affairs

Siltronic Corporation
7200 NW Front Avenue,
M/S 30
Portland OR 97210-3676,
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

ER: 051.KLL

Brian Laurent
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

2007-September-5

August 2007 CAD Diversion

Dear Mr. Laurent,

Pursuant to your letter dated June 22, 2007, authorizing the CAD line maintenance work, we are submitting the following data:

On August 14th a primary line in the Concentrated Acid Drain (CAD) treatment system was cleaned which is normally handled under our NPDES permit. In order to cleanout this line, the CAD waste stream was diverted to the Organic Waste Water (OWW) treatment system which, after treatment, goes to the city's WWTP.

This diversion lasted a total 15 hours and 46 minutes beginning at 4:14 a.m. and ending at 10:00 p.m. At the beginning of the diversion, the OWW meter read 185,985 and after the diversion, it read 192,780 for a total flow of 9084 CF. Of the aforementioned total flow, 1136 CF was the diverted CAD flow based on CAD meter readings.

An automatic sampler was set up to take samples throughout the duration of the discharge. Based on our analysis, we exceeded the billing threshold for TSS during that time, please see table below. All other parameters were within specifications.

Parameter	Local Limit *Daily*	Categorical Limit *Daily*	Categorical Limit *Monthly*	Billing Threshold	Diversion *Sampling Results*
Total Suspended Solids (TSS)	na	na	na	350 mg/L	2,622 mg/L
Total Dissolved Solids (TDS)	1721 lbs/day	na	na	na	2,800 mg/L
Fluoride (Total) (F)	na	na	na	na	13.34 mg/L
Arsenic (Total) (Ar)	0.2 mg/L	2.09 mg/L	0.83 mg/L	na	.0112 mg/L
Chromium (Cr)	5.0 mg/L	na	na	na	.00935 mg/L
pH	5.0-11.5 S.U.	na	na	na	8.58 S.U.

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Affairs

cc: Tom Rothschild, POTW-IDR File

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue,
M/S 30
Portland OR 97210-3676,
Tel. 503-219-7994
Fax 503-219-7599
koreen.lail@siltronic.com

Brian Laurent
Bureau of Environmental Services
City of Portland
6543 N. Burlington Avenue
Portland, Oregon 97203-5452

ER: 050.KLL

2007-September-5

August 2007 Industrial Discharge Report

Dear Mr. Laurent,

Enclosed are the August 2007 monthly Industrial Discharge Reports for Siltronic Corporation Municipal Discharge Permit Number 469.001. Siltronic has operated in compliance with the Permit for this reporting period.

If you have any questions, please contact Koreen Lail.

Regards,
Siltronic Corporation

Koreen Lail
Environmental Engineer

Enclosures:
Special Account Meter Report Document
Industrial Wastewater Discharge Self-Monitoring Report

cc: Tom Rothschild
POTW-IDR File

4640175004
SUSC SILTRONICS OWW & MV2
C. Justin Darr
243-2020 x7131

Siltronic Corporation
PO Box 83180
Portland, Oregon 97283-0180

SPECIAL ACCOUNT METER REPORT DOCUMENT

August-07

1. OWW DISCHARGE

ACTUAL READINGS

	Fab. 1	FAB 2	
PAST READING	109367	100,113	100s of GALLONS)
CURRENT READING	109367	297,435	100s of GALLONS)
CONSUMPTION	0	197,322	100s of GALLONS)
TOTAL THROUGH OVERFLOW LINE	0		(100s of GALLONS)
TOTAL CONSUMPTION	1,973,220		10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	1,973,220	* 10 GAL / 7.48 GAL/CF =	2,637,995	CF
TOTAL THROUGH OVERFL	0	* 10 GAL / 7.48 GAL/CF =	0	CF
TOTAL CONSUMPTION			2,637,995	CF

2. METER VAULT #2 (Sanitary)

ACTUAL READINGS

PAST READING	2,704,936	(10s of GALLONS)
CURRENT READING	2,763,430	(10s of GALLONS)
CONSUMPTION	58,494	(10s of GALLONS)

READINGS CONVERTED TO CUBIC FEET

CONSUMPTION	58,494	* 10 GAL / 7.48 GAL/CF=	78,201	CF

This meter reading was reported by: C. Justin Darr on 9/6/07
C. Justin Darr date

Sent to: Bureau of Enviromental Services City of Portland
Water Pollution Control Lab, Attn: Brian Laurent
6543 N Burlington Avenue, Portland, Oregon 97203-5452

SCOEPA00024905

CITY OF PORTLAND
INDUSTRIAL WASTEWATER DISCHARGE
SELF-MONITORING REPORT

INDUSTRY NAME: Siltronic Corporation

PERMIT NUMBER: 469.001

REPORT DUE DATE: 15th of the Month following the sampling period.

SAMPLING PERIOD: August 2007

For Industrial Source Control Division Use Only	
Date Postmarked/Received	Date Entered
	Entered By:
Comments:	

pH GRAB SAMPLE - EPA METHOD 150.1

POINT OF COMPLIANCE		pH METER BRAND			pH METER MODEL		pH Discharge Limits
#1B (Fab 2)		Orion			720A		5.0 - 11.5 S.U.
Date of Sample	Time of Sample	Reported pH Value	Violation? (circle one)		pH Meter Calibration Date	pH Meter Calibration Buffer used	COMMENTS
16 Aug 2007	0650	9.3 SU	YES	(NO)	16 Aug 2007	7.0 and 10.0	

CONTINUOUSLY MONITORED pH - EPA METHOD 150.2

POINT OF COMPLIANCE	pH METER BRAND	pH METER MODEL	pH Limit
#1B (Fab 2)	Foxboro	873	5.0 - 11.5 S.U.

DATE	STARTING TIME (military time)	MOST EXTREME pH EXCURSION	DURATION (minutes)	VIOLATION? (circle one)		COMMENTS
		No Excursions		YES	NO	
				YES	NO	
				YES	NO	
				YES	NO	

Instructions: Industrial Source Control Division (ISCD) must be notified of all discharge violations within 24 hours of your knowledge of the violation. Report all pH excursions on this form and circle YES if they are a violation. Include any appropriate comments in the Comment column regarding the nature of the excursion. Attach supporting data or explanations to this report. You are also required to document corrective actions you have taken in response to the excursion.

Violations:
1. pH excursions outside the range of 5.0 - 11.5 SU for a total duration of more than 15 minutes in any 24 hour period.
2. pH excursions less than or equal to 4.5 SU or greater than or equal to 12.5 SU regardless of duration.

Non-Violations: You may contend an excursion does not represent a pH discharge violation if it does not meet the criteria listed above. Circle NO in the VIOLATION? Column and include a copy of the pH log or pH chart recording showing the excursion. The final violation status of the excursion will be determined by the ISCD.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Karen Saile for Siltronic Date: 9/5/07

N:\Environmental\FACLAB\WWTP\BES Monthly Reports\Monthly\August 2007.doc

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (1-16)	DISCHARGE NUMBER (17-19)
101128	Outfall 001

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2007	8	1	TO	2007	8	31

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	4,475	35,433	m^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	8.6	14.4	kg/day	--	2.5	4.2	mg/L		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	8.3	11.9	kg/day	--	2.4	3.5	mg/L		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			kg/day	--			mg/L			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	kg/day	--	<0.001	<0.001	mg/L		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	24.5	31.7	kg/day	--	7.1	9.4	mg/L		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.2	mg/L		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 per violation imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 07 MO 9 DAY 5

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
(1) Chrome batches are no longer being treated on site. pH outages: 6 minutes @ 11.65.

KU:04

SCOEPA00024907

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME Siltronic Corporation Site ID 93450

ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	8	1	TO	2007	8	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	kg/day	--	--	<0.02	mg/L		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					0.7	2.8	NTC		6/1	Grab
	PERMIT REQUIREMENT									One sample every 4 hours	
pH excursions > 60 minutes	SAMPLE MEASUREMENT								0	monthly	
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	243-2020	07	9	5
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024908

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (3-16)	DISCHARGE NUMBER (17-19)
101128	Outfall 002

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	8	1	TO	2007	8	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(3 Card Only) QUANTITY OR LOADING (54-61) MAXIMUM	(3 Card Only) QUANTITY OR LOADING UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(4 Card Only) QUALITY OR CONCENTRATION (46-53) AVERAGE	(4 Card Only) QUALITY OR CONCENTRATION (54-61) MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	757	999	m^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	∞	∞		∞	∞	∞				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.3	0.5	mg/L		1/ 7	Grab
	PERMIT REQUIREMENT	∞	∞		∞	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and maximum imprisonment of between 6 months and 5 years.)

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 07 | MO 9 | DAY 5

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024909

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(12-18)
101128	Outfall 003
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	8	1	TO	2007	8	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	5,231	36,179	m^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	80.6	°F		1/7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.50	7.22	11.65			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
pH excursions > 60 minutes	SAMPLE MEASUREMENT								0	Daily average	
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and imprisonment of between 6 months and 5 years)

Siltronic Corp by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 07 | MO 9 | DAY 5

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024910

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
August-07 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
2	1.0	3.40	3.5	11.9	4.6	15.59	0.229	0.778	0.0005	0.0017	0.000	0.000	0.000	0.000
10	2.0	7.1	1.9	6.8	8.3	29.54	0.113	0.402	0.0005	0.0018	0.000	0.000	0.000	0.000
16	2.1	7.1	3.4	11.4	9.4	31.67	0.238	0.801	0.0005	0.0017	0.000	0.000	0.000	0.000
23	3.2	11.1	1.4	4.9	6.6	22.92	0.102	0.355	0.0005	0.0017	0.000	0.000	0.000	0.000
27	4.2	14.4	1.9	6.5	6.8	22.95	0.109	0.371	0.0005	0.0017	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3498	1	0.6	1	7.6
2	3396	2	0.6	2	7.3
3	3384	3	0.6	3	7.6
4	2862	4	0.6	4	7.4
5	3558	5	0.7	5	7.7
6	3661	6	0.5	6	7.9
7	3767	7	0.6	7	7.9
8	3536	8	0.7	8	7.7
9	3672	9	0.8	9	7.6
10	3558	10	0.7	10	7.4
11	3301	11	0.5	11	7.5
12	4221	12	0.5	12	7.7
13	3611	13	1.3	13	7.4
14	2423	14	0.8	14	7.4
15	3494	15	2.0	15	7.3
16	3365	16	1.3	16	7.6
17	3312	17	0.9	17	7.5
18	3396	18	0.8	18	7.7
19	35433	19	0.7	19	7.9
20	3210	20	0.7	20	8.1
21	3388	21	0.6	21	7.7
22	3407	22	0.6	22	7.7
23	3483	23	0.6	23	7.6
24	3528	24	0.5	24	7.7
25	3718	25	0.5	25	7.8
26	3210	26	0.5	26	7.5
27	3399	27	0.5	27	7.7
28	3566	28	0.7	28	7.8
29	3354	29	0.6	29	7.9
30	3521	30	0.7	30	7.7
31	3490	31	0.8	31	7.6
Total:	138725				

(002) DAILY FLOW'S	
Day	M^3
1	572
2	575
3	481
4	715
5	863
6	541
7	750
8	549
9	602
10	602
11	909
12	693
13	897
14	712
15	591
16	670
17	617
18	727
19	746
20	553
21	772
22	988
23	893
24	946
25	909
26	958
27	946
28	969
29	999
30	848
31	859
Total:	23452

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.213	0.000	0.000
0.489	0.000	0.000
0.485	0.000	0.000
0.295	0.000	0.000
0.250	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Kathleen Ann Siltronic	9/5/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

NPDES Permittee Data Report Form

Form Approved. OMB No. 2080-0021 Approval Expires 7/31/2007

EPA	United States Environmental Protection Agency Laboratory DMR-QA Evaluation Study 27 Laboratory Performance Evaluation (These data are collected under the authority of the Federal Water Pollution Control Act.)	EPA USE ONLY N (1) L (2)	NPDES Permit Number OR0030589 (3–11)	Permit Extension (12–13)

Current Permittee Mailing Address

NPDES Permit Number: OR0030589 Phone: (503) 219-7994

Siltronic Corporation
7200 Front Ave.
Portland, OR 97210-3676

ATTENTION:
Follow the checklist on next page for instructions on completing this form and submitting data for evaluation.

Enter Permittee Name as it Should Appear in Report Heading:

SILTRONIC CORPORATION (14–49)

For DMR-QA Study 26, conducted in 2006, the Permittee:

Received Samples:	YES	NO
	X (50)	(51)

Submitted Data:	YES	NO
	X (52)	(53)

Received a Report in Response:	YES	NO
	X (54)	(55)

Certification by Permit Holder or Authorized Representative
(as per 40 CFR Part 122.22 – see instructions.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the U.S. EPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Title of Certifying Official (Type or Print)	Signature	Date Signed
Koreen Lail Env. Engineer	Koreen Lail	8/30/07

Address of Certifying Official (if different from Permittee address above)	Telephone Number

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024912

EPA

United States Environmental Protection Agency
DMR-QA Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: OR0030589

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number:

Name	Address	Lab Code assigned by U.S. EPA	Lab Analysis – Put an "X" in all that apply: Chem	Micro	Tox	Lab Type – choose one: F = Federal, S = State, L = Local Gov, C = Commercial, I = Industrial, O = Other
Siltronic Corp.	7200 NW Front Ave. Portland, OR 97210-3676	OR01006	X			I
Test America Analytical Testing Corp.	9405 SW Nimbus Ave. Beaverton, OR 97008-7132	OR00040	X			C
CH2M Hill Applied Sciences	2300 NW Walnut Blvd. Corvallis, OR 97330-3538	OR00004			X	C
Food Quality Lab	6400 SW Canyon Ct. Portland, OR 97221	OR00057	X			C

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024913

EPA

United States Environmental Protection Agency
DMR-QA Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: ORO030589

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number:

Name	Address	Lab Code assigned by U.S. EPA (3–9)	Lab Analysis – Put an "X" in all that apply (10–11)			Lab Type – choose one (12)
			Chem	Micro	Tox	F = Federal, S = State, G = Local Gov't, C = Commercial, I = Industrial, O = Other
Specialty Analytical	19761 SW 95th Ave. Tualatin, OR 97062	ORO0997	X			C
← END →						

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024914

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

DMRQA-27 Data Reporting Form

NPDES Permit #: OR0030589

Permittee Name: Siltronic Corporation

Laboratory: CH2M Hill Applied Sciences

USEPA Lab Code: OR00004 **Customer Number: C208601**

Anal. No.	Test Conditions / Endpoint	Result	Units	Method Description	Analysis Date MM/DD/YYYY	Report* For DMRQA
	Fathead minnow (Test Code 13)					
0754	LC50	40.6	%	EPA 2000	07/26/2007	X
	Fathead minnow (Test Code 15)					
0808	IC25 (ON) Growth	28.5	%	EPA 1000	07/03/2007	X
0810	NOEC (ON) Growth	25.0	%	EPA 1000	07/03/2007	X
0756	NOEC Survival	25.0	%	EPA 1000	07/03/2007	X
	Ceriodaphnia dubia (Test Code 17)					
0762	LC50	45.4	%	EPA 2002	07/25/2007	X
	Ceriodaphnia dubia (Test Code 21)					
0767	IC25 Reproduction	33.0	%	EPA 1002	07/03/2007	X
0768	NOEC Reproduction	25.0	%	EPA 1002	07/03/2007	X
0766	NOEC Survival	50.0	%	EPA 1002	07/03/2007	X

*** For Permittee Use Only:**

Place an "X" in the box to the right of each analyte that is required in routine NPDES monitoring and should be included on the final permittee report.

ACCREDITED Lab Code: 1539-01

All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

NPDES Permittee Data Report Form

Form Approved. OMB No. 2080-0021 Approval Expires 7/31/2007

EPA	United States Environmental Protection Agency Laboratory DMR-QA Evaluation Study 27 Laboratory Performance Evaluation (These data are collected under the authority of the Federal Water Pollution Control Act.)	EPA USE ONLY N 1 2	NPDES Permit Number OR0030589 3 4 5 6 7 8 9 10 11	Permit Extension 12 13

Current Permittee Mailing Address

NPDES Permit Number: OR0030589 Phone: (503) 219-7994

Siltronic Corporation
7200 Front Ave.
Portland, OR 97210-3676

ATTENTION:
Follow the checklist on next page for instructions on completing this form and submitting data for evaluation.

Enter Permittee Name as it Should Appear in Report Heading:

SILTRONIC CORPORATION
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49

For DMR-QA Study 26, conducted in 2006, the Permittee:

Received Samples:	YES	NO
	X	
	50	51

Submitted Data:	YES	NO
	X	
	52	53

Received a Report in Response:	YES	NO
	X	
	54	55

Certification by Permit Holder or Authorized Representative
(as per 40 CFR Part 122.22 – see instructions.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the U.S. EPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Title of Certifying Official (Type or Print)	Signature	Date Signed
Koreen Lail Env. Engineer	Koreen Lail	8/30/07

Address of Certifying Official (if different from Permittee address above)	Telephone Number

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024916

EPA

United States Environmental Protection Agency
DMR-QA Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: OR0030589

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number:

Name	Address	Lab Code assigned by U.S. EPA	Lab Analysis – Put an 'X' in all that apply. Chem	Micro	Tox	Lab Type – choose one. F = Federal, S = State, C = Local Gov., M = Commercial, I = Industrial, O = Other
Siltronic Corp.	7200 NW Front Ave. Portland, OR 97210-3676	OR01006	X			I
Test America Analytical Testing Corp.	9405 SW Nimbus Ave. Beaverton, OR 97008-7132	OR00040	X			C
CH2M Hill Applied Sciences	2300 NW Walnut Blvd. Corvallis, OR 97330-3538	OR00004			X	C
Food Quality Lab	6400 SW Canyon Ct. Portland, OR 97221	OR00057	X			C

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024917

EPA

United States Environmental Protection Agency
DMR-QA Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: OR0030589

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number:

Name	Address	Lab Code assigned by U.S. EPA	Lab Analyses — Put an "X" in all that apply			Lab Type — choose one: F = Federal, S = State, C = Local Gov't, M = Commercial, I = Industrial, O = Other
			Chem	Micro	Tox	
Specialty Analytical	19761 SW 95th Ave. Tualatin, OR 97062	OR00997	X			C
←	END →					

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024918

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

WP-150 Data Reporting Form

NPDES Permit #: OR0030589

Permittee Name: Siltronic Corporation

Laboratory: TestAmerica - Portland

USEPA Lab Code: OR00040 **Customer Number: N578802**

Anal. No.	Analyte	Result	Units	Method Description	Analysis Date MM/DD/YYYY	Report* For DMRQA
	Demand					
0038	BOD	45.8	mg/L	SM 5210 B	07/30/2007	X
	Trace Metals					
0006	Chromium	514.	µg/L	EPA 200.7	08/07/2007	X
0006	Chromium	467.	µg/L	EPA 200.8	08/14/2007	X

*** For Permittee Use Only:**

Place an "X" in the box to the right of each analyte that is required in routine NPDES monitoring and should be included on the final permittee report.

All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

NPDES Permittee Data Report Form

Form Approved. OMB No. 2080-0021 Approval Expires 7/31/2007

United States Environmental Protection Agency Laboratory DMR-QA Evaluation Study 27 Laboratory Performance Evaluation (These data are collected under the authority of the Federal Water Pollution Control Act.)	EPA USE ONLY	NPDES Permit Number	Permit Extension
EPA	N 1	OR0030589	

Current Permittee Mailing Address

NPDES Permit Number: OR0030589 Phone: (503) 219-7994

Siltronic Corporation
7200 Front Ave.
Portland, OR 97210-3676

ATTENTION:
Follow the checklist on next page for instructions on completing this form and submitting data for evaluation.

Enter Permittee Name as it Should Appear in Report Heading:

SILTRONIC CORPORATION

For DMR-QA Study 26, conducted in 2006, the Permittee:

Received Samples:	YES	NO
	X	

Submitted Data:	YES	NO
	X	

Received a Report in Response:	YES	NO
	X	

Certification by Permit Holder or Authorized Representative
(as per 40 CFR Part 122.22 – see instructions.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the U.S. EPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Title of Certifying Official (Type or Print)	Signature	Date Signed
Koreen Lail Env. Engineer	Koreen Lail	8/30/07

Address of Certifying Official (if different from Permittee address above)	Telephone Number

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024920

United States Environmental Protection Agency
DMR-QA Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: OR0030589

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number:

Name	Address	Lab Code assigned by U.S. EPA	Lab Analysis – Put an "X" in all that apply			Lab Type – choose one: F = Federal, S = State, C = Local Gov., C = Commercial, I = Industrial, O = Other
			Chem	Micro	Tox	
Siltronic Corp.	7200 NW Front Ave. Portland, OR 97210-3676	OR01006	X			I
Test America Analytical Testing Corp.	9405 SW Nimbus Ave. Beaverton, OR 97008-7132	OR00040	X			C
CH2M Hill Applied Sciences	2300 NW Walnut Blvd. Corvallis, OR 97330-3538	OR00004			X	C
Food Quality Lab	6400 SW Canyon Ct. Portland, OR 97221	OR00057	X			C

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024921

EPA

United States Environmental Protection Agency
DMR-QA Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: OR0030589

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number:

Name	Address	Lab Code assigned by U.S. EPA	Lab Analyses — Put an "X" in all that apply			Lab Type — choose one: F = Federal, S = State, C = Local Gov., C = Commercial, I = Industrial, O = Other
			Chem	Micro	Tox	
Specialty Analytical	19761 SW 95th Ave. Tualatin, OR 97062	OR00997	X			C
←	END →					

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024922

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

DMRQA-27 Data Reporting Form

NPDES Permit #: OR0030589

Permittee Name: Siltronic Corporation

Laboratory: Food Quality Lab

USEPA Lab Code: OR00057 **Customer Number: F548969**

Anal. No.	Analyte	Result	Units	Method Description	Analysis Date MM/DD/YYYY	Report* For DMRQA
	Demand					
0038	BOD	78.10	mg/L	SM 5210 B	08/08/2007	X

*** For Permittee Use Only:**

Place an "X" in the box to the right of each analyte that is required in routine NPDES monitoring and should be included on the final permittee report.

ACCREDITED Lab Code 1539-01

All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

SCOEPA00024923

NPDES Permittee Data Report Form

Form Approved. OMB No. 2080-0021 Approval Expires 7/31/2007

United States Environmental Protection Agency Laboratory DMR-QA Evaluation Study 27 Laboratory Performance Evaluation (These data are collected under the authority of the Federal Water Pollution Control Act.)	EPA USE ONLY	NPDES Permit Number	Permit Extension
EPA		OR0030589	

Current Permittee Mailing Address

NPDES Permit Number: OR0030589 Phone: (503) 219-7994

Siltronic Corporation
7200 Front Ave.
Portland, OR 97210-3676

ATTENTION:
Follow the checklist on next page for instructions on completing this form and submitting data for evaluation.

Enter Permittee Name as it Should Appear in Report Heading:

SILTRONIC CORPORATION

For DMR-QA Study 26, conducted in 2006, the Permittee:

Received Samples:	YES	NO
	X	

Submitted Data:	YES	NO
	X	

Received a Report in Response:	YES	NO
	X	

Certification by Permit Holder or Authorized Representative
(as per 40 CFR Part 122.22 – see instructions.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the U.S. EPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Title of Certifying Official (Type or Print)	Signature	Date Signed
Koreen Lail Env. Engineer	Koreen Lail	8/30/07

Address of Certifying Official (if different from Permittee address above)	Telephone Number

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024924

United States Environmental Protection Agency
DMR-QA Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: OR0030589

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number:

Name	Address	Lab Code assigned by U.S. EPA	Lab Analyses Put an "X" in all that apply			Lab Type – choose one F = Federal S = State L = Local Gov. C = Commercial I = Industrial O = Other
			Chem	Micro	Tox	
Siltronic Corp.	7200 NW Front Ave. Portland, OR 97210-3676	OR01006	X			I
Test America Analytical Testing Corp.	9405 SW Nimbus Ave. Beaverton, OR 97008-7132	OR00040	X			C
CH2M Hill Applied Sciences	2300 NW Walnut Blvd. Corvallis, OR 97330-3538	OR00004			X	C
Food Quality Lab	6400 SW Canyon Ct. Portland, OR 97221	OR00057	X			C

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024925

EPA

United States Environmental Protection Agency
DMR-QA Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: OR0030589

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number:

Name	Address	Lab Code assigned by U.S. EPA	Lab Analysis – Put an "X" in all that apply			Lab Type – choose one: F = Federal, S = State, C = Local Gov., T = Commercial, I = Industrial, O = Other
			Chem	Micro	Tox	
Specialty Analytical	19761 SW 95th Ave. Tualatin, OR 97062	OR00997	X			C
←	END →					

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024926

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

DMRQA-27 Data Reporting Form

NPDES Permit #: OR0030589

Permittee Name: Siltronic Corporation

Laboratory: Specialty Analytical

USEPA Lab Code: OR00997 **Customer Number: S599801**

Anal. No.	Analyte	Result	Units	Method Description	Analysis Date MM/DD/YYYY	Report* For DMRQA
	Trace Metals					
0006	Chromium	406	µg/L	EPA 200.7	07/18/2007	X
0006	Chromium	424	µg/L	EPA 200.8	07/16/2007	X
0006	Chromium	406	µg/L	EPA 6010B	07/18/2007	X
0006	Chromium	424	µg/L	EPA 6020	07/16/2007	X

*** For Permittee Use Only:**

Place an "X" in the box to the right of each analyte that is required in routine NPDES monitoring and should be included on the final permittee report.

ACCREDITED Lab Code: 1539-01

All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

NPDES Permittee Data Report Form

Form Approved. OMB No. 2080-0021 Approval Expires 7/31/2007

EPA	United States Environmental Protection Agency Laboratory DMR-QA Evaluation Study 27 Laboratory Performance Evaluation (These data are collected under the authority of the Federal Water Pollution Control Act.)	EPA USE ONLY	NPDES Permit Number	Permit Extension
		N 1	OR0030589 (3–11)	(12–15)

Current Permittee Mailing Address

NPDES Permit Number: OR0030589 Phone: (503) 219-7994

Siltronic Corporation
7200 Front Ave.
Portland, OR 97210-3676

ATTENTION:
Follow the checklist on next page for instructions on completing this form and submitting data for evaluation.

Enter Permittee Name as it Should Appear in Report Heading:

SILTRONIC CORPORATION (16–49)

For DMR-QA Study 26, conducted in 2006, the Permittee:

Received Samples:	YES	NO
	X	
	50	51

Submitted Data:	YES	NO
	X	
	52	53

Received a Report in Response:	YES	NO
	X	
	54	55

Certification by Permit Holder or Authorized Representative
(as per 40 CFR Part 122.22 – see instructions.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. Each reported value was produced from a single analytical run using the analytical system that routinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) permit. Neither I nor any of my subordinates compared our results with results from independent analyses conducted by us or any other laboratory before we reported our results to the U.S. EPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and Title of Certifying Official (Type or Print)	Signature	Date Signed
Koreen Lail Env. Engineer	Koreen Lail	8/30/07

Address of Certifying Official (if different from Permittee address above)	Telephone Number

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024928

EPA

United States Environmental Protection Agency
DMR-QA Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: OR0030589

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number:

ID	Name	Address	Lab Code assigned by U.S. EPA	Lab Analysis – Put an 'X' in all that apply. Chem	Micro	Tox	Lab Type – choose one: F = Federal, S = State, L = Local Gov., C = Commercial, I = Industrial, O = Other
	Siltronic Corp.	7200 NW Front Ave. Portland, OR 97210-3676	OR01006	X			I
	Test America Analytical Testing Corp.	9405 SW Nimbus Ave. Beaverton, OR 97008-7132	OR00040	X			C
	CH2M Hill Applied Sciences	2300 NW Walnut Blvd. Corvallis, OR 97330-3538	OR00004			X	C
	Food Quality Lab	6400 SW Canyon Ct. Portland, OR 97221	OR00057	X			C

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024929

EPA

United States Environmental Protection Agency
DMR-QA Study 27
Laboratory Performance Evaluation
(These data are collected under the authority of Federal Water Pollution Control Act.)

NPDES Permit Number: OR0030589

Identification of All CHEM, MICRO & TOX Laboratories who did Analyses for this Permit
Permit Number

Name	Address	Lab Code assigned by U.S. EPA	Lab Analysis — Put an "X" in all that apply: Chem	Micro	Tox	Lab Type — choose one: F = Federal, S = State, C = Local Gov't, P = Commercial, I = Industrial, O = Other
Specialty Analytical	19761 SW 95th Ave. Tualatin, OR 97062	OR00997	X			C
←	END →					

EPA-420 (Cin), Rev. 04-00. Previous editions are obsolete.

SCOEPA00024930

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

DMRQA-27 Data Reporting Form

NPDES Permit #: OR0030589

Permittee Name: Siltronic Corporation

Laboratory: Siltronic Corporation

USEPA Lab Code: OR01006 **Customer Number: W207498**

Anal. No.	Analyte	Result	Units	Method Description	Analysis Date MM/DD/YYYY	Report* For DMRQA
	pH					
0019	pH	5.66	S.U.	SM 4500 H+ B	07/19/2007	X
	Hardness					
0072	Non-Filterable Residue (TSS)	61.67	mg/L	SM 2540 D	08/24/2007	X
	Complex Nutrients					
0035	Total phosphorus as P	4.26	mg/L	SM 4500 P E	08/24/2007	X
	Minerals					
0029	Fluoride	3.13	mg/L	SM 4500 F- C	08/20/2007	X
	Turbidity					
2055	Turbidity	6.67	NTU	SM 2130 B	08/29/2007	X

*** For Permittee Use Only:**

Place an "X" in the box to the right of each analyte that is required in routine NPDES monitoring and should be included on the final permittee report.

ACCREDITED Lab Code: 1539-01

All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

Permittee: Siltronic Corp. Permit Number: OR0030589

WET Organisms/Test Conditions/End Points Checklist

DMR-QA Study 27

Analyte Number	Organisms / Conditions	End Points	Test Req'd
Test Code 11/EPA Method 2000			
752	Fathead minnow (*Pimephales promelas*) - MHSF 20°C	LC50	☐
Test Code 13/EPA Method 2000			
754	Fathead minnow (*Pimephales promelas*) - MHSF 25°C	LC50	☒
Test Code 14/EPA Method 2000			
755	Fathead minnow (*Pimephales promelas*) - 20% DMW 25°C	LC50	☐
Test Code 15/EPA Method 1000			
756	Fathead minnow (*Pimephales promelas*) - MHSF	NOEC SURVIVAL	☒
808	Fathead minnow (*Pimephales promelas*) - MHSF	IC25 GROWTH	☒
809	Fathead minnow (*Pimephales promelas*) - MHSF	IC25 (SN)[1] GROWTH	☐
810	Fathead minnow (*Pimephales promelas*) - MHSF	NOEC (ON)[2] GROWTH	☒
811	Fathead minnow (*Pimephales promelas*) - MHSF	NOEC (SN) GROWTH	☐
Test Code 16/EPA Method 1000			
759	Fathead minnow (*Pimephales promelas*) - 20% DMW	NOEC SURVIVAL	☐
812	Fathead minnow (*Pimephales promelas*) - 20% DMW	IC25 GROWTH	☐
813	Fathead minnow (*Pimephales promelas*) - 20% DMW	IC25 (SN) GROWTH	☐
814	Fathead minnow (*Pimephales promelas*) - 20% DMW	NOEC (ON) GROWTH	☐
815	Fathead minnow (*Pimephales promelas*) - 20% DMW	NOEC (SN) GROWTH	☐
Test Code 17/EPA Method 2002			
762	*Ceriodaphnia dubia* - MHSF	LC50	☒
Test Code 18/EPA Method 2002			
763	*Ceriodaphnia dubia* - 20% DMW	LC50	☐
Test Code 19/EPA Method 2002			
764	*Ceriodaphnia dubia* - MHSF 25°C	LC50	☐
Test Code 20/EPA Method 2002			
765	*Ceriodaphnia dubia* - 20% DMW 25°C	LC50	☐
Test Code 21/EPA Method 1002			
766	*Ceriodaphnia dubia* - MHSF	NOEC SURVIVAL	☒
767	*Ceriodaphnia dubia* - MHSF	IC 25 REPRODUCTION	☒
768	*Ceriodaphnia dubia* - MHSF	NOEC REPRODUCTION	☒
Test Code 22/EPA Method 1002			
769	*Ceriodaphnia dubia* - 20% DMW	NOEC SURVIVAL	☐
770	*Ceriodaphnia dubia* - 20% DMW	IC25 REPRODUCTION	☐
771	*Ceriodaphnia dubia* - 20% DMW	NOEC REPRODUCTION	☐
Test Code 32/EPA Method 2021			
788	*Daphnia magna* - MHSF 20°C	LC50	☐
Test Code 36/EPA Method 2021			
792	*Daphnia pulex* - MHSF 20°C	LC50	☐
Test Code 38/EPA Method 2021			
794	*Daphnia pulex* - MHSF 25°C	LC50	☐
Test Code 42/EPA Method 2007			
798	Mysid (*Mysidopsis bahia*) 20°C	LC50	☐
Test Code 43/EPA Method 1007			
799	Mysid (*Mysidopsis bahia*)	NOEC SURVIVAL	☐
816	Mysid (*Mysidopsis bahia*)	IC25 GROWTH	☐
817	Mysid (*Mysidopsis bahia*)	IC25 (SN) GROWTH	☐
818	Mysid (*Mysidopsis bahia*)	NOEC (ON) GROWTH	☐
819	Mysid (*Mysidopsis bahia*)	NOEC (SN) GROWTH	☐
Test Code 44/EPA Method 2006			
803	Inland silverside (*Menidia beryllina*) 20°C	LC50	☐
Test Code 46/EPA Method 2004			
804	Sheepshead minnow (*Cyprinodon variegatus*) 20°C	LC50	☐
Test Code 47/EPA Method 1004			
805	Sheepshead minnow (*Cyprinodon variegatus*)	NOEC SURVIVAL	☐
820	Sheepshead minnow (*Cyprinodon variegatus*)	IC25 GROWTH	☐
821	Sheepshead minnow (*Cyprinodon variegatus*)	IC25 (SN) GROWTH	☐
822	Sheepshead minnow (*Cyprinodon variegatus*)	NOEC (ON) GROWTH	☐
823	Sheepshead minnow (*Cyprinodon variegatus*)	NOEC (SN) GROWTH	☐

[1]Survival Number [2]Original Number

Permittee: Provide a copy of this checklist to your in-house and contract laboratories with the selected analytes that you want them to test for during Study 27. This checklist must be included with the final data package that you are required to send to your DMR-QA coordinator and PT Provider by August 31, 2007.

SCOEPA00024932

Permittee: SiTronic Corp. EPA Lab code: OR01006 Permit Number: OR0030589

Chemistry/Microbiology/Analyte Checklist

DMR-QA Study 27

NPDES Testing Required	PT Samples Ordered	Analyte Test	Test Completed/Reported	
			On-Site Lab	Contract Lab
☐	☐	**Microbiology**	☐	☐
☐	☐	*E.coli*	☐	☐
☐	☐	Fecal Coliform, MF or MPN	☐	☐
☐	☐	Total Coliform, MF or MPN	☐	☐
☐	☐	**Trace Metals**	☐	☐
☐	☐	Aluminum	☐	☐
☐	☐	Antimony	☐	☐
☐	☐	Arsenic	☐	☐
☐	☐	Barium	☐	☐
☐	☐	Beryllium	☐	☐
☐	☐	Cadmium	☐	☐
☒	☒	Chromium, total	☐	☒
☐	☐	Chromium, hexavalent	☐	☐
☐	☐	Cobalt	☐	☐
☐	☐	Copper	☐	☐
☐	☐	Iron	☐	☐
☐	☐	Lead	☐	☐
☐	☐	Manganese	☐	☐
☐	☐	Mercury	☐	☐
☐	☐	Molybdenum	☐	☐
☐	☐	Nickel	☐	☐
☐	☐	Selenium	☐	☐
☐	☐	Silver	☐	☐
☐	☐	Thallium	☐	☐
☐	☐	Vanadium	☐	☐
☐	☐	Zinc	☐	☐
☐	☐	**Demands**	☐	☐
☒	☒	5-day BOD	☐	☒
☐	☐	5-day Carbonaceous BOD	☐	☐
☐	☐	COD	☐	☐
☐	☐	TOC	☐	☐
☐	☐	**Minerals**	☐	☐
☐	☐	Alkalinity, total ($CaCO_3$)	☐	☐
☐	☐	Chloride	☐	☐
☒	☒	Fluoride	☒	☐
☐	☐	Hardness, total ($CaCO_3$)	☐	☐
☐	☐	Specific conductance (25°C)	☐	☐
☐	☐	Sulfate	☐	☐
☐	☐	Total Dissolved Solids (180°C)	☐	☐
☐	☐	**Nutrients**	☐	☐
☐	☐	Ammonia as N	☐	☐
☐	☐	Nitrate as N	☐	☐
☐	☐	Nitrite as N	☐	☐
☐	☐	Orthophosphate as P	☐	☐
☐	☐	Total Kjeldahl-Nitrogen as N	☐	☐
☒	☒	Total Phosphorus as P	☒	☐
☐	☐	**Misc. Analytes**	☐	☐
☒	☒	Non-Filterable Residue (TSS)	☐	☐
☐	☐	Oil and Grease	☐	☐
☒	☒	pH	☒	☐
☐	☐	Total Cyanide	☐	☐
☐	☐	Total Phenolics (4-AAP)	☐	☐
☐	☐	Total Residual Chlorine	☐	☐
☐	☐	Settleable Solids	☐	☐
☒	☒	Turbidity	☒	☐

Koreen Lail
Print Name

8/30/07
Date

Koreen Lail ENV. Engineer
Signature/Title

SCOEPA00024933

USEPA
DMR-QA 27

NPDES PERMITTEE DATA REPORT FORM

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

USEPA NPDES Permit #: OR0030589

Permit Ext:

Permittee/Facility Name and Address

Permittee Name: Siltronic Corporation

Facility Address:

City: State: Postal Code:

Certification by Permit Holder or Authorized Representative

Name of Certifying Official: Koreen Lail

Phone Number: 503-219-7994

Title: Environmental Engineer

Fax Number: 503-219-7599

Email Address: koreen.lail@siltronic.com

Mailing Address: 7200 NW Front Ave

(enter only if different from address above)

City: Portland State: OR Postal Code: 97210-3676

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate and complete. Each reported value was produced from a single analytical run using the analytical system that rountinely performs these analyses to produce compliance monitoring data required under our National Pollutant Discharge Elimination System (NPDES) Permit. Neither I nor any of my subordinates compared our results from independent analyses conducted by us or another laboratory before we reported our results to the USEPA. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: Koreen Lail Date Signed: 8 / 31 2007

Please make corrections in boxes above

SCOEPA00024934

USEPA
DMR-QA 27

IDENTIFICATION OF ALL CHEMISTRY & WET LABORATORIES

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

USEPA NPDES Permit #: OR0030589

Permit Ext:

Laboratory Name and Address:	USEPA Assigned Lab Code:	"X" all boxes that apply			
		Lab Analysis		Lab Type	
		Chem	WET	In House	Contract
Name: CH2M Hill Applied Sciences Address: 2300 NW Walnut Blvd City: Corvallis State: OR Postal Code: 97330-3538	OR00004	☐	☐	☐	☐
Name: Food Quality Lab Address: 6400 SW Canyon Ct Ste 80 City: Portland State: OR Postal Code: 97221	OR00057	☐	☐	☐	☐
Name: Siltronic Corporation Address: 7200 NW Front Ave City: Portland State: OR Postal Code: 97210-3676	OR01006	☐	☐	☐	☐

Please make corrections in boxes above

USEPA
DMR-QA 27

IDENTIFICATION OF ALL CHEMISTRY & WET LABORATORIES

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

USEPA NPDES Permit #: OR0030589

Permit Ext:

Laboratory Name and Address:	USEPA Assigned Lab Code:	"X" all boxes that apply			
		Lab Analysis		Lab Type	
		Chem	WET	In House	Contract
Name: Specialty Analytical Address: 19761 SW 95th Ave. City: Tualatin State: OR Postal Code: 97062	OR00997	☐	☐	☐	☐
Name: TestAmerica - Portland Address: 9405 SW Nimbus Ave. City: Beaverton State: OR Postal Code: 97008-7132	OR00040	☐	☐	☐	☐

Please make corrections in boxes above

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Dec-04 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
2	5.0	16.24	1.5	4.9	6.9	22.2	0.070	0.230	0.0005	0.0016	0.000	0.000	0.000	0.000
9	4.0	13.7	2.7	9.2	6.9	23.5	0.073	0.250	0.0005	0.0017	0.000	0.000	0.000	0.000
16	1.5	5.2	0.8	2.8	7.6	26.4	0.076	0.270	0.0005	0.0017	0.000	0.000	0.000	0.000
22	3.0	8.3	1.7	4.7	5.6	15.6	0.122	0.340	0.0005	0.0014	0.000	0.000	0.000	0.000
30	4.0	12.8	1.2	3.9	6.7	21.6	0.097	0.310	0.0005	0.0016	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3256	1	5.0	1	7.6
2	3248	2	4.2	2	7.7
3	3483	3	3.8	3	7.9
4	3369	4	4.9	4	7.7
5	3112	5	4.9	5	7.9
6	3267	6	4.7	6	8.0
7	3437	7	4.8	7	8.0
8	3490	8	4.6	8	8.3
9	3418	9	4.5	9	7.9
10	2987	10	4.5	10	8.1
11	3328	11	2.9	11	7.8
12	3066	12	1.0	12	8.1
13	3161	13	1.7	13	8.0
14	3399	14	3.2	14	8.2
15	3384	15	1.8	15	7.5
16	3494	16	2.1	16	8.1
17	3343	17	2.6	17	7.7
18	3498	18	2.7	18	7.7
19	3456	19	3.5	19	7.7
20	3513	20	4.4	20	7.9
21	3483	21	3.7	21	7.6
22	2771	22	2.3	22	7.5
23	3381	23	3.7	23	8.0
24	3312	24	4.8	24	8.1
25	3180	25	4.9	25	8.4
26	3127	26	4.0	26	8.4
27	3282	27	3.3	27	8.1
28	3229	28	4.6	28	7.9
29	3509	29	4.0	29	7.9
30	3210	30	3.0	30	8.2
31	3937.0	31	2.9	31	8.4
Total:	103131				

(002) DAILY FLOW'S	
Day	M^3
1	170
2	492
3	220
4	712
5	72
6	594
7	1382
8	538
9	439
10	693
11	375
12	579
13	174
14	500
15	276
16	481
17	254
18	685
19	284
20	591
21	288
22	628
23	1635
24	310
25	182
26	269
27	216
28	284
29	91
30	125
31	223.4
Total:	13761

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.185	0.000	0.000
0.141	0.000	0.000
0.103	0.000	0.000
0.134	0.000	0.000
0.09	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue			8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

KLC:045

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Nov-04 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
4	1.5	5.28	1.3	4.6	6.8	23.9	0.157	0.550	0.0005	0.0018	0.000	0.000	0.000	0.000
11	5.0	13.6	1.8	4.9	7.1	19.3	0.149	0.410	0.0005	0.0014	0.000	0.000	0.000	0.000
18	1.5	5.0	1.9	6.4	7.7	25.7	0.368	1.230	0.0005	0.0017	0.000	0.000	0.000	0.000
23	5.0	16.5	0.7	2.3	7.1	23.5	0.074	0.240	0.0005	0.0016	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S	
Day	M^3
1	3638
2	3403
3	3407
4	3517
5	3331
6	3403
7	3286
8	3377
9	3104
10	3328
11	2729
12	2998
13	3426
14	3100
15	3138
16	3354
17	3282
18	3343
19	3426
20	3293
21	3339
22	3222
23	3293
24	3373
25	3346
26	3297
27	3445
28	3437
29	3282
30	3229
Total:	99149

(001) Turbidity Daily Avg	
Day	NTU's
1	4.8
2	4.8
3	4.3
4	3.5
5	4.6
6	4.7
7	5.1
8	6.1
9	4.3
10	3.2
11	4.1
12	4.6
13	3.3
14	3.7
15	3.6
16	4.0
17	3.4
18	3.3
19	3.8
20	4.6
21	4.4
22	3.5
23	3.6
24	3.9
25	3.5
26	3.9
27	4.5
28	4.1
29	3.9
30	4.3

(001) pH Daily Avg	
Day	pH
1	8.2
2	8.2
3	7.9
4	7.9
5	7.8
6	7.6
7	7.7
8	8.0
9	8.0
10	7.7
11	7.8
12	7.6
13	8.0
14	7.6
15	7.8
16	7.6
17	7.7
18	7.9
19	8.1
20	7.8
21	7.4
22	7.8
23	7.7
24	8.0
25	8.1
26	7.8
27	7.8
28	7.9
29	7.5
30	7.8

(002) DAILY FLOW'S	
Day	M^3
1	572
2	375
3	556
4	314
5	662
6	738
7	102
8	307
9	572
10	553
11	545
12	265
13	485
14	254
15	628
16	261
17	583
18	273
19	356
20	299
21	265
22	443
23	303
24	299
25	424
26	178
27	223
28	485
29	212
30	511
Total:	12042

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.099	0.000	0.000
0.064	0.000	0.000
0.319	0.000	0.000
0.101	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Karen Jones Stevens	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024938

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Oct-04 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
7	1.5	4.80	3.0	9.6	10.2	32.6	0.093	0.300	0.0005	0.0016	0.000	0.000	0.000	0.000
14	4.0	13.3	2.0	6.6	7.5	25.0	0.189	0.630	0.0005	0.0017	0.000	0.000	0.000	0.000
19	6.0	19.1	1.4	4.4	7.5	23.8	0.025	0.080	0.0005	0.0016	0.000	0.000	0.000	0.000
28	4.0	13.0	2.2	7.2	5.9	19.3	0.025	0.080	0.0005	0.0016	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3623	1	4.7	1	8.0
2	3528	2	5.1	2	7.7
3	2760	3	3.7	3	8.2
4	3259	4	5.5	4	8.3
5	3222	5	3.7	5	7.8
6	3369	6	4.2	6	8.3
7	3199	7	4.1	7	8.1
8	3259	8	3.7	8	8.1
9	3343	9	3.9	9	8.3
10	3271	10	4.7	10	8.1
11	3275	11	5.0	11	8.0
12	3464	12	3.6	12	8.0
13	3286	13	3.5	13	7.7
14	3320	14	3.7	14	8.0
15	3134	15	3.3	15	7.8
16	3437	16	3.7	16	7.9
17	3441	17	3.8	17	7.9
18	3339	18	4.9	18	7.8
19	3176	19	4.5	19	8.0
20	3456	20	3.6	20	7.7
21	3540	21	4.4	21	8.1
22	3691	22	4.0	22	7.9
23	3195	23	3.6	23	7.9
24	3282	24	4.4	24	8.2
25	3354	25	4.0	25	8.1
26	3290	26	3.7	26	8.1
27	3487	27	3.1	27	8.0
28	3256	28	3.5	28	7.7
29	3100	29	3.5	29	7.9
30	3449	30	3.7	30	8.2
31	3384	31	4.2	31	8.1
Total:	103188				

(002) DAILY FLOW'S	
Day	M^3
1	428
2	670
3	530
4	386
5	526
6	307
7	466
8	344
9	492
10	273
11	397
12	401
13	564
14	492
15	473
16	155
17	454
18	310
19	379
20	314
21	269
22	231
23	401
24	238
25	481
26	280
27	337
28	242
29	556
30	189
31	655
Total:	12243

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.059	0.000	0.000
0.206	0.000	0.000
0.025	0.000	0.000
0.025	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue			8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024939

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Sep-04 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
2	4.0	12.70	0.6	1.9	8.0	25.3	0.098	0.310	0.0005	0.0016	0.000	0.000	0.000	0.000
9	6.0	19.0	4.0	12.7	7.0	22.2	0.137	0.430	0.001	0.0032	0.000	0.000	0.000	0.000
16	6.0	19.9	1.8	6.0	8.7	28.8	0.155	0.510	0.0005	0.0017	0.000	0.000	0.000	0.000
23	6.0	21.4	1.6	5.7	9.0	31.9	0.098	0.350	0.0005	0.0018	0.000	0.000	0.000	0.000
30	4.0	11.5	1.0	2.9	8.1	23.2	0.087	0.250	0.0005	0.0014	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3320	1	3.4	1	8.3
2	3176	2	3.9	2	7.8
3	3365	3	4.8	3	8.1
4	3426	4	4.2	4	8.1
5	3301	5	4.3	5	8.3
6	3328	6	3.9	6	8.2
7	3059	7	2.0	7	8.0
8	3384	8	4.2	8	8.1
9	3172	9	4.1	9	7.7
10	3195	10	4.0	10	7.6
11	3206	11	3.9	11	8.2
12	3085	12	3.6	12	8.1
13	3502	13	3.9	13	8.2
14	3343	14	4.3	14	8.1
15	3558	15	4.1	15	7.7
16	3312	16	6.7	16	8.2
17	3172	17	5.0	17	8.5
18	3320	18	4.5	18	8.4
19	3199	19	4.9	19	8.1
20	3047	20	4.7	20	8.1
21	3460	21	4.0	21	8.0
22	3184	22	4.6	22	7.9
23	3562	23	4.5	23	8.2
24	3256	24	5.4	24	8.0
25	3059	25	3.9	25	8.0
26	3116	26	4.5	26	8.0
27	3316	27	4.2	27	7.8
28	3123	28	4.1	28	7.7
29	3237	29	3.5	29	7.7
30	2881	30	3.2	30	7.6
Total:	97665				

(002) DAILY FLOW'S	
Day	M^3
1	621
2	485
3	458
4	280
5	341
6	553
7	310
8	496
9	310
10	291
11	568
12	341
13	503
14	276
15	344
16	488
17	284
18	481
19	326
20	360
21	435
22	458
23	496
24	185
25	428
26	360
27	507
28	235
29	670
30	507
Total:	12398

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.115	0.000	0.000
0.668	0.000	0.000
0.082	0.000	0.000
0.064	0.000	0.000
0.059	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue			8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024940

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 **Permit Number: 101128**
7200 NW Front Avenue **Aug-04 Discharge Data**
Portland, Oregon 97210-3676

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
5	1.5	4.03	0.6	1.6	7.4	19.8	0.188	0.500	0.001	0.0027	0.000	0.000	0.000	0.000
12	4.0	12.3	0.9	2.8	8.2	25.2	0.163	0.500	0.001	0.0031	0.000	0.000	0.000	0.000
19	3.0	7.8	0.9	2.3	8.7	22.8	0.135	0.350	0.002	0.0052	0.000	0.000	0.000	0.000
26	4.0	13.7	1.2	4.1	8.5	28.9	0.120	0.410	0.002	0.0068	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		01) Turbidity Daily A		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	2851	1	1.6	1	7.5
2	2654	2	1.2	2	7.2
3	2593	3	1.1	3	7.3
4	2794	4	1.6	4	7.4
5	2684	5	1.6	5	7.6
6	2911	6	1.7	6	7.7
7	2938	7	0.6	7	7.8
8	2983	8	0.6	8	8.0
9	2627	9	0.6	9	7.7
10	2798	10	1.0	10	7.6
11	2669	11	0.8	11	7.8
12	3085	12	0.8	12	7.6
13	3237	13	0.6	13	7.8
14	2801	14	0.7	14	7.8
15	2975	15	0.7	15	7.6
16	3006	16	1.2	16	7.4
17	2858	17	1.0	17	7.4
18	2623	18	1.5	18	7.4
19	2605	19	1.3	19	7.4
20	2794	20	0.9	20	7.5
21	3013	21	0.8	21	7.5
22	2911	22	2.7	22	7.7
23	2896	23	0.9	23	7.6
24	2710	24	0.7	24	7.5
25	2851	25	2.5	25	8.0
26	3415	26	3.8	26	8.0
27	3752	27	2.5	27	7.4
28	3316	28	3.8	28	7.6
29	3112	29	3.0	29	7.8
30	3430	30	3.8	30	7.7
31	3297	31	3.5	31	8.0
Total:	91188				

(002) DAILY FLOW'S	
Day	M^3
1	424
2	549
3	409
4	428
5	644
6	538
7	632
8	435
9	477
10	534
11	587
12	439
13	632
14	750
15	553
16	750
17	530
18	534
19	598
20	556
21	458
22	659
23	439
24	530
25	488
26	587
27	617
28	428
29	583
30	598
31	269
Total:	16653

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.594	0.000	0.000
0.123	0.000	0.000
0.25	0.000	0.000
0.180	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		8/28/07		503-243-2020
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Jul-04 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
1	8.0	25.14	0.2	0.6	8.6	27.0	0.105	0.330	0.0005	0.0016	0.000	0.000	0.000	0.000
8	3.0	9.0	0.6	1.8	7.7	23.0	0.054	0.160	0.0005	0.0015	0.000	0.000	0.000	0.000
13	0.6	2.0	1.3	4.3	7.1	23.5	0.143	0.470	0.0005	0.0017	0.000	0.000	0.000	0.000
22	1.5	3.9	0.6	1.6	5.2	13.5	0.073	0.190	0.0005	0.0013	0.000	0.000	0.000	0.000
29	1.5	4.2	0.6	1.7	6.3	17.7	0.114	0.320	0.0005	0.0014	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3142	1	3.4	1	7.7
2	3180	2	3.7	2	8.0
3	3524	3	4.0	3	7.8
4	3066	4	4.7	4	8.0
5	3199	5	3.7	5	7.9
6	3123	6	4.4	6	7.7
7	3123	7	4.3	7	8.1
8	2987	8	3.9	8	7.9
9	2729	9	4.3	9	7.9
10	3184	10	5.0	10	7.7
11	3335	11	5.0	11	7.9
12	2987	12	5.0	12	8.0
13	3305	13	2.4	13	8.0
14	3335	14	3.9	14	8.0
15	3362	15	5.8	15	7.7
16	3259	16	5.1	16	7.8
17	3373	17	4.1	17	7.7
18	3244	18	5.4	18	7.8
19	2313	19	5.2	19	7.9
20	3320	20	4.2	20	7.9
21	2816	21	1.1	21	8.0
22	2601	22	1.0	22	8.1
23	2692	23	1.0	23	7.9
24	3275	24	1.1	24	7.8
25	2877	25	0.9	25	7.7
26	3157	26	1.2	26	7.6
27	2881	27	0.7	27	7.5
28	2775	28	1.2	28	7.7
29	2809	29	0.9	29	7.7
30	2907	30	1.0	30	7.4
31	2862	31	1.3	31	7.5
Total:	94743				

(002) DAILY FLOW'S	
Day	M^3
1	416
2	405
3	435
4	231
5	432
6	413
7	413
8	689
9	254
10	322
11	572
12	386
13	534
14	488
15	303
16	394
17	1177
18	310
19	185
20	185
21	326
22	511
23	341
24	413
25	447
26	303
27	314
28	356
29	269
30	329
31	564
Total:	12716

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.094	0.000	0.000
0.024	0.000	0.000
0.093	0.000	0.000
0.098	0.000	0.000
0.145	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue			8/28/08	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Jun-04 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
3	5.0	17.38	4.6	16.0	4.8	16.7	0.069	0.240	0.001	0.0035	0.000	0.000	0.000	0.000
10	4.0	10.4	7.0	18.2	5.0	13.0	0.116	0.302	0.0005	0.0013	0.000	0.000	0.000	0.000
17	4.0	13.3	3.5	11.7	7.6	25.3	0.095	0.317	0.0005	0.0017	0.000	0.000	0.000	0.000
24	3.0	9.2	5.4	16.6	8.9	27.4	0.127	0.391	0.0005	0.0015	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	2979	1	2.4	1	7.8
2	3233	2	2.5	2	7.7
3	3475	3	2.4	3	7.7
4	3555	4	2.2	4	7.5
5	3244	5	5.0	5	7.9
6	3335	6	3.5	6	8.0
7	3483	7	5.3	7	7.9
8	3869	8	7.6	8	8.2
9	3059	9	9.2	9	8.1
10	2605	10	2.8	10	8.1
11	3028	11	2.4	11	7.9
12	3100	12	1.7	12	7.7
13	2763	13	2.3	13	7.9
14	3411	14	2.5	14	7.7
15	3271	15	2.4	15	7.7
16	3089	16	2.9	16	7.9
17	3335	17	3.7	17	7.9
18	2892	18	1.8	18	7.8
19	3070	19	2.4	19	7.9
20	2975	20	2.7	20	7.9
21	3335	21	7.7	21	7.8
22	3369	22	3.7	22	7.7
23	3161	23	3.6	23	7.7
24	3078	24	3.1	24	7.8
25	3222	25	3.0	25	7.8
26	3282	26	2.7	26	7.9
27	3305	27	3.0	27	7.5
28	3203	28	3.1	28	7.8
29	2707	29	3.6	29	7.4
30	3153	30	3.9	30	7.6
Total:	95587				

(002) DAILY FLOW'S	
Day	M^3
1	424
2	768
3	371
4	806
5	405
6	435
7	360
8	435
9	454
10	568
11	492
12	303
13	613
14	405
15	363
16	613
17	360
18	273
19	591
20	193
21	409
22	375
23	314
24	344
25	454
26	329
27	397
28	352
29	413
30	261
Total:	12882

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.075	0.000	0.000
0.07	0.000	0.000
0.099	0.000	0.000
0.084	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Karen Isaak for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024943

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
May-04 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
6	4.0	13.67	1.3	4.4	8.2	27.9	0.126	0.430	0.0005	0.0017	0.000	0.000	0.000	0.000
13	4.0	13.9	4.6	16.0	7.0	24.5	0.095	0.330	0.0005	0.0017	0.000	0.000	0.000	0.000
20	5.0	17.6	3.4	11.9	7.5	26.4	0.045	0.160	0.0005	0.0018	0.000	0.000	0.000	0.000
27	5.0	16.2	2.4	7.8	5.5	17.9	0.078	0.250	0.0005	0.0016	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3570	1	3.2	1	7.7
2	3176	2	5.7	2	7.7
3	3524	3	4.4	3	7.7
4	3524	4	4.6	4	7.8
5	3437	5	5.1	5	7.6
6	3418	6	2.5	6	7.7
7	3195	7	3.0	7	7.8
8	3668	8	3.2	8	8.1
9	3562	9	3.0	9	7.8
10	3316	10	3.0	10	7.9
11	3494	11	3.0	11	7.7
12	2922	12	3.1	12	7.8
13	3487	13	3.9	13	8.0
14	3547	14	4.1	14	8.0
15	3381	15	3.9	15	6.8
16	3169	16	3.0	16	7.7
17	3206	17	6.3	17	7.9
18	2862	18	3.9	18	7.5
19	3138	19	3.6	19	7.7
20	3513	20	5.0	20	7.9
21	3653	21	4.8	21	8.1
22	3309	22	4.3	22	7.7
23	3214	23	5.2	23	7.5
24	3290	24	5.2	24	7.6
25	2888	25	3.5	25	7.7
26	3460	26	4.4	26	7.6
27	3240	27	5.2	27	7.5
28	3346	28	3.8	28	7.6
29	3517	29	2.3	29	7.8
30	3097	30	2.9	30	7.9
31	3627	31	2.6	31	7.8
Total:	103752				

(002) DAILY FLOW'S	
Day	M^3
1	295
2	549
3	329
4	246
5	295
6	515
7	299
8	288
9	454
10	397
11	291
12	295
13	746
14	333
15	360
16	314
17	288
18	602
19	333
20	299
21	329
22	481
23	341
24	257
25	299
26	280
27	704
28	719
29	424
30	488
31	757
Total:	12610

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.089	0.000	0.000
0.052	0.000	0.000
0.044	0.000	0.000
0.064	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		8/28/07		503-243-2020
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			

SCOEPA00024944

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Apr-04 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
1	6.0	18.90	19.5	61.4	8.9	27.9	0.110	0.346	0.001	0.0031	0.000	0.000	0.000	0.000
8	5.0	17.6	4.6	16.2	8.2	29.0	0.072	0.254	0.001	0.0035	0.000	0.000	0.000	0.000
15	7.0	26.4	6.1	23.0	7.4	27.7	0.068	0.256	0.0005	0.0019	0.000	0.000	0.000	0.000
22	6.0	22.3	5.8	21.5	7.0	26.0	0.088	0.326	0.0005	0.0019	0.000	0.000	0.000	0.000
29	5.0	16.7	4.8	16.0	6.0	20.2	0.074	0.247	0.0005	0.0017	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3150	1	4.8	1	7.8
2	3354	2	7.1	2	7.7
3	3600	3	2.8	3	7.5
4	3365	4	3.6	4	7.5
5	3369	5	2.6	5	7.5
6	3403	6	2.7	6	7.6
7	3381	7	3.3	7	7.7
8	3528	8	2.7	8	7.5
9	3513	9	2.6	9	7.7
10	3320	10	2.1	10	7.3
11	3381	11	2.6	11	7.6
12	3763	12	3.1	12	7.7
13	3555	13	2.7	13	7.5
14	3589	14	2.3	14	7.9
15	3767	15	2.4	15	7.5
16	3513	16	1.8	16	7.4
17	3547	17	2.8	17	7.6
18	3384	18	2.9	18	7.8
19	3218	19	2.6	19	8.0
20	3381	20	2.2	20	8.0
21	3540	21	4.1	21	7.7
22	3710	22	2.5	22	7.5
23	3585	23	2.4	23	7.4
24	3278	24	3.7	24	7.8
25	3502	25	2.9	25	7.9
26	3449	26	3.0	26	7.9
27	3638	27	3.4	27	8.3
28	3483	28	3.1	28	7.5
29	3339	29	3.6	29	7.8
30	3540	30	3.4	30	7.4
Total:	104142				

(002) DAILY FLOW'S	
Day	M^3
1	950
2	1408
3	1132
4	1056
5	863
6	1102
7	1068
8	909
9	1015
10	897
11	992
12	1033
13	916
14	1386
15	318
16	666
17	2109
18	424
19	299
20	534
21	549
22	2033
23	341
24	496
25	295
26	360
27	439
28	439
29	469
30	238
Total:	24735

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.057	0.000	0.000
0.16	0.000	0.000
0.048	0.000	0.000
0.072	0.000	0.000
0.076	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Karen Said for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Mar-04 Discharge Data

Outfall # 001															
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
4	7.0	23.29	5.3	17.6	7.4	24.7	0.072	0.530	0.0005	0.0017	0.000	0.000	0.000	0.000
11	5.0	17.0	10.5	35.6	8.5	28.7	0.151	1.130	0.0005	0.0017	0.000	0.000	0.000	0.000
18	3.0	8.5	6.7	18.9	8.6	24.4	0.081	0.500	0.0005	0.0014	0.000	0.000	0.000	0.000
24	5.0	16.3	6.6	21.5	6.5	21.1	0.078	0.500	0.0005	0.0016	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3297	1	3.1	1	7.8
2	3551	2	2.6	2	7.6
3	3362	3	3.4	3	7.7
4	3328	4	4.1	4	7.6
5	3346	5	3.2	5	7.6
6	3240	6	3.6	6	7.7
7	3384	7	3.0	7	8.0
8	3411	8	2.8	8	7.9
9	3248	9	3.8	9	7.9
10	3434	10	3.2	10	7.8
11	3392	11	2.8	11	7.6
12	3301	12	2.8	12	7.3
13	3418	13	3.3	13	7.5
14	3127	14	3.7	14	7.6
15	3218	15	3.0	15	7.5
16	3441	16	3.1	16	7.6
17	3240	17	2.7	17	7.5
18	2828	18	2.7	18	7.6
19	3017	19	3.0	19	7.4
20	3237	20	3.9	20	7.6
21	3399	21	2.3	21	7.6
22	3540	22	3.0	22	7.7
23	3176	23	3.4	23	7.5
24	3263	24	4.5	24	7.6
25	3630	25	2.7	25	7.8
26	3112	26	3.3	26	7.8
27	4024	27	3.8	27	7.7
28	3593	28	3.7	28	7.4
29	3536	29	3.0	29	7.5
30	3797	30	3.3	30	7.4
31	3320	31	2.9	31	7.7
Total:	104210				

(002) DAILY FLOW'S	
Day	M^3
1	984
2	1064
3	897
4	1287
5	1124
6	2722
7	1351
8	935
9	962
10	973
11	1060
12	1151
13	1700
14	901
15	1200
16	1090
17	1075
18	1257
19	765
20	1090
21	878
22	969
23	999
24	848
25	1416
26	1056
27	958
28	863
29	1215
30	1124
31	890
Total:	34805

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.183	0.000	0.000
0.142	0.000	0.000
0.057	0.000	0.000
0.061	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Kyleen Lord for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Feb-04 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
5	5.0	16.86	10.1	34.1	5.3	17.9	0.091	0.310	0.0005	0.0017	0.000	0.000	0.000	0.000
12	3.0	11.4	3.2	12.1	6.2	23.5	0.130	0.490	0.0005	0.0019	0.000	0.000	0.000	0.000
19	6.4	24.5	12.1	46.3	5.5	20.9	0.136	0.520	0.0005	0.0019	0.000	0.000	0.000	0.000
26	6.0	19.2	8.7	27.9	9.6	30.7	0.062	0.200	0.001	0.0032	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	4032	1	4.4	1	8.2
2	3468	2	3.2	2	8.1
3	3748	3	3.2	3	7.7
4	3630	4	3.5	4	7.5
5	3373	5	3.3	5	7.6
6	3699	6	3.6	6	7.8
7	3187	7	2.5	7	7.7
8	3642	8	2.4	8	7.7
9	3642	9	3.1	9	7.7
10	3502	10	4.3	10	7.9
11	3702	11	4.2	11	7.7
12	3786	12	4.5	12	7.6
13	3460	13	4.5	13	7.8
14	3786	14	5.2	14	8.0
15	3441	15	4.5	15	8.0
16	3668	16	4.1	16	8.1
17	3971	17	4.3	17	7.7
18	3293	18	6.0	18	7.8
19	3823	19	5.8	19	7.8
20	3683	20	6.0	20	7.9
21	3744	21	4.9	21	7.8
22	3634	22	4.4	22	7.9
23	3498	23	3.8	23	7.7
24	3464	24	4.0	24	7.5
25	3210	25	3.8	25	7.6
26	3203	26	3.3	26	8.0
27	3437	27	3.4	27	7.9
28	3134	28	3.0	28	7.9
29	3365	29	3.1	29	7.9
Total:	103226				

(002) DAILY FLOW'S	
Day	M^3
1	1079
2	1677
3	1143
4	1363
5	1647
6	507
7	935
8	1121
9	1325
10	924
11	973
12	992
13	1416
14	1026
15	837
16	1139
17	765
18	973
19	1052
20	1113
21	1325
22	1545
23	1170
24	1333
25	848
26	541
27	958
28	1003
29	1166
Total:	31894

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.164	0.000	0.000
0.04	0.000	0.000
0.201	0.000	0.000
0.079	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Kathleen Saul for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 **Permit Number: 101128**
7200 NW Front Avenue **Jan-04 Discharge Data**
Portland, Oregon 97210-3676

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
9	5.0	16.64	16.5	54.9	8.0	26.7	0.076	0.250	0.0005	0.0017	0.000	0.000	0.000	0.000
15	6.0	22.3	7.5	27.9	6.9	25.7	0.046	0.170	0.0005	0.0019	0.000	0.000	0.000	0.000
22	6.0	20.5	9.8	33.5	6.5	22.0	0.086	0.290	0.0005	0.0017	0.000	0.000	0.000	0.000
29	7.0	25.4	6.8	24.7	6.9	24.9	0.124	0.450	0.001	0.0036	0.000	0.000	0.000	0.000

(001) DAILY FLOWS		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M3	Day	NTU's	Day	pH
1	3823	1	5.0	1	8.0
2	3521	2	3.2	2	7.8
3	5584	3	3.6	3	8.1
4	4584	4	3.8	4	7.8
5	3407	5	4.3	5	8.0
6	3911	6	6.4	6	7.9
7	3331	7	1.6	7	8.1
8	3138	8	3.1	8	8.3
9	3328	9	4.8	9	8.2
10	3899	10	3.0	10	8.1
11	3721	11	3.7	11	7.9
12	3820	12	3.2	12	7.5
13	3755	13	4.0	13	7.6
14	3786	14	5.6	14	7.5
15	3717	15	6.8	15	7.6
16	3502	16	5.3	16	7.9
17	3638	17	3.1	17	7.8
18	3941	18	4.1	18	8.0
19	3865	19	5.5	19	7.9
20	3861	20	4.2	20	7.8
21	3861	21	3.4	21	7.7
22	3415	22	3.1	22	7.8
23	3059	23	3.9	23	7.8
24	4062	24	4.0	24	7.8
25	3699	25	3.8	25	7.7
26	3714	26	3.0	26	7.8
27	3876	27	2.9	27	7.8
28	3600	28	3.6	28	8.0
29	3630	29	2.8	29	7.8
30	3596	30	2.4	30	7.9
31	3774	31	3.8	31	8.2
Total:	116419				

(002) DAILY FLOWS	
Day	M3
1	666
2	288
3	647
4	541
5	367
6	719
7	731
8	220
9	269
10	1208
11	1033
12	848
13	1367
14	1204
15	1132
16	1302
17	1397
18	799
19	1079
20	1052
21	1052
22	1806
23	678
24	1234
25	1064
26	1075
27	1287
28	1484
29	734
30	1139
31	1079
Total:	29501

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl2 Free Available Daily Max mg/L	Cl2 Free Available Monthly Avg. mg/L
0.124	0.000	0.000
0.204	0.000	0.000
0.18	0.000	0.000
0.123	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Roger Lee per Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Jan-05 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
6	4.0	12.70	1.6	5.1	0.0	20.5	0.246	0.780	0.0005	0.0016	0.000	0.000	0.000	0.000
13	5.0	16.9	1.7	5.7	0.0	27.3	0.092	0.310	0.0005	0.0017	0.000	0.000	0.000	0.000
20	1.5	4.8	2.3	7.4	0.0	28.4	0.154	0.500	0.0005	0.0016	0.000	0.000	0.000	0.000
27	5.0	17.0	2.4	8.2	0.0	29.8	0.129	0.440	0.0005	0.0017	0.000	0.000	0.000	0.000

(001) DAILY FLOWS		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M3	Day	NTU's	Day	pH
1	3619	1	2.7	1	8.3
2	3066	2	3.5	2	8.2
3	3214	3	3.8	3	7.8
4	3206	4	3.3	4	8.2
5	2710	5	3.2	5	7.9
6	3176	6	5.4	6	8.0
7	3248	7	3.2	7	8.1
8	3123	8	2.6	8	8.4
9	3585	9	3.5	9	8.1
10	3233	10	3.2	10	7.8
11	3271	11	3.7	11	7.8
12	3271	12	3.6	12	8.2
13	3373	13	2.7	13	7.9
14	3676	14	3.5	14	7.8
15	3252	15	4.5	15	7.5
16	2941	16	3.3	16	7.8
17	3237	17	5.2	17	8.0
18	3081	18	4.6	18	8.3
19	3161	19	4.1	19	8.2
20	3229	20	5.1	20	7.9
21	3381	21	5.2	21	7.7
22	3331	22	6.0	22	8.0
23	3430	23	5.0	23	7.9
24	3691	24	4.1	24	7.8
25	2847	25	5.4	25	7.9
26	3358	26	4.8	26	7.7
27	3399	27	4.6	27	7.9
28	3309	28	4.8	28	7.9
29	3498	29	4.8	29	8.2
30	3142	30	5.1	30	7.9
31	3309	31	4.9	31	7.9
Total:	101367				

(002) DAILY FLOWS	
Day	M3
1	223
2	481
3	227
4	511
5	42
6	201
7	87
8	76
9	337
10	344
11	341
12	341
13	242
14	927
15	257
16	223
17	598
18	167
19	102
20	723
21	507
22	674
23	462
24	246
25	53
26	375
27	447
28	295
29	57
30	197
31	685
Total:	10448

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl2 Free Available Daily Max mg/L	Cl2 Free Available Monthly Avg. mg/L
0.304	0.000	0.000
0.144	0.000	0.000
0.147	0.000	0.000
0.140	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Greg Jacobsen for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024949

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 Permit Number: 101128
7200 NW Front Avenue Feb-05 Discharge Data
Portland, Oregon 97210-3676

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
3	6.0	19.31	30.4	97.8	9.8	31.6	0.105	0.340	0.0005	0.0016	0.000	0.000	0.000	0.000
10	5.0	16.6	1.3	4.3	8.4	27.8	0.078	0.260	0.0005	0.0017	0.000	0.000	0.000	0.000
17	1.5	5.7	0.7	2.7	7.3	28.1	0.072	0.280	0.0005	0.0019	0.000	0.000	0.000	0.000
24	4.0	13.5	2.3	7.7	8.1	27.3	0.157	0.530	0.0005	0.0017	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(01) Turbidity Daily A		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3381	1	4.6	1	7.8
2	3540	2	7.9	2	7.9
3	3218	3	6.2	3	7.8
4	3619	4	16.9	4	8.1
5	3396	5	7.6	5	8.1
6	3282	6	7.8	6	8.1
7	3305	7	5.2	7	8.1
8	3278	8	6.0	8	7.5
9	3422	9	6.3	9	7.5
10	3324	10	4.6	10	7.8
11	3275	11	5.3	11	7.8
12	3407	12	6.7	12	7.9
13	3172	13	8.2	13	7.7
14	3328	14	6.1	14	7.7
15	3328	15	6.4	15	8.1
16	2975	16	4.2	16	7.8
17	3823	17	4.7	17	7.7
18	3354	18	6.9	18	7.6
19	2922	19	5.7	19	7.9
20	3471	20	6.7	20	8.0
21	3309	21	6.9	21	7.6
22	3233	22	6.2	22	7.8
23	3021	23	6.7	23	8.1
24	3369	24	4.5	24	7.7
25	3464	25	4.9	25	8.0
26	3112	26	5.4	26	7.7
27	3369	27	5.9	27	7.7
28	3282	28	6.3	28	8.0
Total:	92978				

(002) DAILY FLOW'S	
Day	M^3
1	174
2	553
3	220
4	344
5	250
6	397
7	64
8	231
9	110
10	212
11	303
12	178
13	424
14	208
15	299
16	238
17	310
18	231
19	352
20	212
21	363
22	326
23	492
24	204
25	333
26	269
27	322
28	246
Total:	7867

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.109	0.000	0.000
0.071	0.000	0.000
0.163	0.000	0.000
0.100	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		8/28/07	503-243-2020
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Mar-05 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
3	4.0	12.36	1.6	4.9	7.5	23.2	0.109	0.337	0.0005	0.0015	0.000	0.000	0.000	0.000
10	4.0	13.0	2.4	7.8	6.8	22.1	0.158	0.514	0.001	0.0033	0.000	0.000	0.000	0.000
17	1.5	4.3	1.6	4.6	6.9	19.7	0.154	0.441	0.0005	0.0014	0.000	0.000	0.000	0.000
24	3.0	8.7	2.2	6.4	6.5	18.9	0.110	0.319	0.0005	0.0015	0.000	0.000	0.000	0.000
31	5.0	16.2	0.5	1.6	8.1	26.2	0.104	0.336	0.0005	0.0016	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3282	1	3.9	1	8.0
2	2983	2	3.3	2	8.0
3	3089	3	3.6	3	7.5
4	3346	4	3.8	4	7.6
5	2972	5	4.0	5	8.0
6	3206	6	3.5	6	8.1
7	3097	7	3.8	7	8.2
8	3358	8	3.8	8	8.0
9	3142	9	4.5	9	7.8
10	3252	10	4.0	10	7.9
11	3172	11	3.5	11	7.6
12	3290	12	4.0	12	7.4
13	3002	13	3.3	13	7.7
14	3267	14	2.4	14	7.7
15	3093	15	3.4	15	7.7
16	3248	16	3.7	16	7.9
17	2862	17	4.3	17	7.9
18	3180	18	5.4	18	8.0
19	3131	19	5.0	19	8.1
20	3222	20	4.0	20	7.8
21	3479	21	4.3	21	8.2
22	3214	22	4.0	22	7.7
23	3195	23	4.7	23	8.2
24	2904	24	4.0	24	7.7
25	3346	25	4.1	25	8.3
26	3252	26	3.6	26	8.1
27	3331	27	4.0	27	7.9
28	3328	28	3.1	28	8.2
29	3430	29	3.2	29	8.0
30	3312	30	3.3	30	7.9
31	3233	31	4.0	31	8.0
Total:	99217				

(002) DAILY FLOW'S	
Day	M^3
1	38
2	273
3	269
4	254
5	102
6	231
7	42
8	250
9	68
10	95
11	174
12	174
13	121
14	106
15	110
16	144
17	148
18	212
19	64
20	212
21	79
22	182
23	102
24	170
25	132
26	148
27	95
28	189
29	72
30	212
31	197
Total:	4664

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.139	0.000	0.000
0.15	0.000	0.000
0.089	0.000	0.000
0.230	0.000	0.000
0.134	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue			8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024951

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 Permit Number: 101128
7200 NW Front Avenue Apr-05 Discharge Data
Portland, Oregon 97210-3676

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
7	5.0	18.61	1.5	5.6	7.3	27.2	0.101	0.380	0.001	0.0037	0.000	0.000	0.000	0.000
14	4.0	12.1	2.0	6.1	7.4	22.3	0.117	0.350	0.002	0.0061	0.000	0.000	0.000	0.000
21	3.0	8.3	1.8	5.0	10.8	29.9	0.056	0.160	0.0005	0.0014	0.000	0.000	0.000	0.000
28	4.0	13.1	1.8	5.7	10.6	34.8	0.129	0.420	0.0005	0.0016	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		01) Turbidity Daily A		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	2904	1	4.6	1	8.2
2	3142	2	3.1	2	8.0
3	3127	3	4.0	3	8.1
4	3134	4	3.9	4	7.8
5	2843	5	6.2	5	7.8
6	3169	6	4.8	6	8.0
7	3721	7	3.9	7	8.1
8	3309	8	3.7	8	7.9
9	2991	9	2.2	9	7.7
10	3169	10	2.8	10	7.8
11	3150	11	3.3	11	8.1
12	2885	12	2.6	12	7.9
13	3373	13	3.2	13	8.3
14	3028	14	2.5	14	7.8
15	3044	15	3.5	15	7.6
16	2938	16	3.1	16	8.3
17	2919	17	3.2	17	8.0
18	3112	18	2.8	18	8.2
19	3293	19	3.4	19	8.3
20	2692	20	3.1	20	8.2
21	2771	21	3.0	21	8.1
22	3362	22	1.6	22	7.5
23	3468	23	2.4	23	7.5
24	3888	24	2.9	24	8.0
25	3487	25	2.8	25	8.3
26	3471	26	1.8	26	8.0
27	3536	27	1.9	27	7.7
28	3282	28	2.6	28	7.8
29	3509	29	2.7	29	8.0.
30	3532	30	2.5	30	8.0
Total:	96245				

(002) DAILY FLOW'S	
Day	M^3
1	136
2	242
3	76
4	182
5	15
6	303
7	49
8	220
9	87
10	201
11	53
12	250
13	68
14	79
15	242
16	257
17	53
18	273
19	83
20	212
21	34
22	250
23	204
24	42
25	125
26	136
27	38
28	299
29	42
30	250
Total:	4501

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.176	0.000	0.000
0.344	0.000	0.000
0.144	0.000	0.000
0.756	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue	Siltronic	8/28/07		503-243-2020
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 **Permit Number: 101128**
7200 NW Front Avenue **May-05 Discharge Data**
Portland, Oregon 97210-3676

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading . kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
5	4.0	13.10	0.8	2.6	8.1	26.5	0.241	0.790	0.0005	0.0016	0.000	0.000	0.000	0.000
12	5.0	16.0	0.3	1.0	8.7	27.8	0.082	0.260	0.001	0.0032	0.000	0.000	0.000	0.000
19	4.0	12.9	0.7	2.2	8.0	25.7	0.085	0.270	0.0005	0.0016	0.000	0.000	0.000	0.000
26	5.0	16.2	1.5	4.8	8.0	25.9	0.106	0.340	0.0005	0.0016	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(01) Turbidity Daily A		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3093	1	2.4	1	7.8
2	3441	2	2.9	2	8.1
3	3085	3	2.3	3	7.6
4	3172	4	2.0	4	8.1
5	3275	5	2.1	5	8.0
6	3244	6	2.8	6	7.8
7	3146	7	3.6	7	8.1
8	3059	8	3.4	8	7.6
9	3623	9	3.4	9	8.1
10	3498	10	4.2	10	8.2
11	3714	11	4.4	11	7.8
12	3191	12	2.7	12	8.2
13	3415	13	3.8	13	8.2
14	3505	14	2.9	14	8.3
15	3293	15	3.1	15	8.3
16	3172	16	2.9	16	7.9
17	3244	17	3.9	17	8.1
18	3365	18	3.7	18	8.4
19	3214	19	2.9	19	8.1
20	3377	20	3.8	20	8.3
21	3263	21	3.7	21	7.9
22	3252	22	4.1	22	8.2
23	3373	23	4.3	23	8.1
24	3290	24	5.0	24	8.1
25	3036	25	5.4	25	7.9
26	3233	26	3.3	26	7.6
27	3010	27	3.2	27	7.7
28	3206	28	2.7	28	8.1
29	3059	29	1.9	29	8.0
30	3248	30	2.5	30	8.1
31	3479	31	2.5	31	8.1
Total:	101576				

(002) DAILY FLOW'S	
Day	M^3
1	38
2	254
3	148
4	57
5	148
6	223
7	178
8	280
9	151
10	182
11	291
12	57
13	242
14	42
15	257
16	57
17	276
18	53
19	337
20	57
21	235
22	125
23	204
24	83
25	148
26	189
27	178
28	83
29	98
30	329
31	45
Total:	5046

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.103	0.000	0.000
0.165	0.000	0.000
0.255	0.000	0.000
0.104	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Karen Gael for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Jun-05 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
2	3.0	9.34	2.3	7.2	6.5	20.1	0.085	0.260	0.0005	0.0016	0.000	0.000	0.000	0.000
9	3.0	10.2	1.5	5.1	7.1	24.1	0.109	0.370	0.0005	0.0017	0.000	0.000	0.000	0.000
16	1.5	5.1	0.7	2.4	6.9	23.5	0.068	0.220	0.0005	0.0017	0.000	0.000	0.000	0.000
23	4.0	14.1	1.3	4.6	6.4	22.6	0.224	0.790	0.003	0.0106	0.000	0.000	0.000	0.000
30	5.0	16.5	1.9	6.3	5.3	17.3	0.184	0.610	0.002	0.0066	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3577	1	2.4	1	7.7
2	3112	2	2.7	2	8.1
3	3271	3	3.8	3	7.7
4	3490	4	2.7	4	7.5
5	3176	5	3.7	5	8.2
6	3214	6	3.7	6	8.3
7	2911	7	4.5	7	8.2
8	3550	8	4.3	8	7.9
9	3399	9	3.3	9	8.0
10	3422	10	3.4	10	8.0
11	3301	11	2.6	11	7.9
12	3252	12	2.5	12	7.7
13	3138	13	3.4	13	8.1
14	3377	14	2.4	14	7.6
15	3259	15	2.8	15	7.8
16	3403	16	1.7	16	7.9
17	3502	17	2.1	17	8.2
18	3142	18	2.8	18	8.1
19	3104	19	2.7	19	7.3
20	3456	20	3.1	20	7.8
21	3426	21	3.3	21	7.9
22	3358	22	3.1	22	7.8
23	3536	23	3.7	23	8.0
24	3271	24	3.1	24	8.0
25	3278	25	1.7	25	7.9
26	3335	26	2.3	26	7.9
27	3286	27	1.9	27	7.9
28	3119	28	2.2	28	8.1
29	3487	29	1.5	29	8.1
30	3293	30	1.4	30	7.9
Total:	99447				

(002) DAILY FLOW'S	
Day	M^3
1	235
2	42
3	344
4	204
5	269
6	95
7	42
8	303
9	189
10	216
11	125
12	212
13	49
14	291
15	257
16	117
17	424
18	746
19	693
20	79
21	655
22	965
23	909
24	575
25	746
26	814
27	810
28	553
29	768
30	488
Total:	12216

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.12	0.000	0.000
0.093	0.000	0.000
0.054	0.000	0.000
0.109	0.000	0.000
0.307	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Jul-05 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
7	4.0	13.89	1.6	5.6	4.8	16.8	0.115	0.399	0.001	0.0035	0.000	0.000	0.000	0.000
13	4.0	14.5	1.7	6.2	7.6	27.4	0.125	0.452	0.002	0.0072	0.000	0.000	0.000	0.000
21	5.0	16.4	0.8	2.6	6.9	22.6	0.045	0.148	0.001	0.0033	0.000	0.000	0.000	0.000
28	4.0	13.4	1.5	5.0	7.6	25.5	0.085	0.285	0.001	0.0034	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3411	1	2.4	1	8.2
2	3392	2	2.2	2	7.7
3	3422	3	1.5	3	8.0
4	3369	4	2.2	4	8.0
5	3180	5	1.5	5	8.1
6	3452	6	1.4	6	8.0
7	3471	7	1.6	7	7.4
8	3399	8	1.8	8	7.6
9	3282	9	1.7	9	8.0
10	3687	10	1.9	10	8.1
11	3358	11	2.2	11	8.1
12	3411	12	2.1	12	7.8
13	3619	13	2.3	13	8.0
14	3396	14	2.8	14	7.9
15	3358	15	3.2	15	7.7
16	3475	16	2.6	16	7.8
17	3399	17	2.7	17	7.8
18	3358	18	2.7	18	7.9
19	3392	19	2.3	19	7.7
20	3358	20	1.8	20	8.1
21	3282	21	3.0	21	7.9
22	3142	22	3.3	22	7.9
23	3452	23	2.8	23	7.9
24	3509	24	1.4	24	7.6
25	3403	25	1.7	25	7.8
26	3365	26	2.1	26	7.5
27	3434	27	2.6	27	8.0
28	3350	28	1.6	28	8.0
29	3566	29	1.5	29	7.9
30	3244	30	2.2	30	8.0
31	3521	31	4.2	31	7.7
Total:	105460				

(002) DAILY FLOW'S	
Day	M^3
1	132
2	307
3	136
4	117
5	95
6	170
7	178
8	220
9	178
10	121
11	121
12	163
13	57
14	151
15	114
16	91
17	182
18	151
19	129
20	114
21	182
22	114
23	140
24	140
25	121
26	87
27	170
28	371
29	136
30	117
31	136
Total:	4641

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.262	0.000	0.000
0.25	0.000	0.000
0.143	0.000	0.000
0.097	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Kenneth La Siltronic	8/28/05	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Aug-05 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
4	5.0	18.47	1.7	6.3	7.6	28.1	0.097	0.358	0.001	0.0037	0.000	0.000	0.000	0.000
11	4.0	14.3	3.3	11.8	7.4	26.4	0.095	0.339	0.0005	0.0018	0.000	0.000	0.000	0.000
18	4.0	15.1	2.2	8.3	7.2	27.2	0.145	0.546	0.0005	0.0019	0.000	0.000	0.000	0.000
25	3.0	10.4	1.6	5.5	5.2	17.9	0.104	0.360	0.0005	0.0017	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3608	1	2.9	1	7.8
2	3547	2	2.6	2	8.2
3	3494	3	3.2	3	7.7
4	3695	4	3.6	4	7.8
5	3384	5	4.6	5	7.8
6	3706	6	3.4	6	7.7
7	3767	7	4.0	7	7.9
8	3604	8	3.2	8	7.5
9	3547	9	4.2	9	7.4
10	3759	10	3.8	10	7.9
11	3570	11	3.4	11	7.8
12	3805	12	3.1	12	7.6
13	3710	13	2.3	13	7.5
14	3441	14	3.1	14	7.6
15	3475	15	4.9	15	7.9
16	3475	16	3.3	16	7.9
17	3430	17	2.9	17	7.8
18	3763	18	3.5	18	7.7
19	3566	19	3.3	19	7.7
20	3381	20	4.6	20	7.9
21	3585	21	3.1	21	7.9
22	3324	22	2.5	22	7.5
23	3392	23	2.5	23	7.6
24	3615	24	3.0	24	7.5
25	3460	25	2.3	25	7.6
26	3615	26	1.9	26	8.2
27	3399	27	2.1	27	7.6
28	3430	28	3.1	28	7.6
29	3854	29	3.1	29	8.0
30	3702	30	2.2	30	7.9
31	3373	31	2.5	31	8.2
Total:	110476				

(002) DAILY FLOW'S	
Day	M^3
1	163
2	87
3	140
4	68
5	178
6	136
7	117
8	125
9	132
10	79
11	216
12	91
13	140
14	72
15	159
16	72
17	91
18	110
19	114
20	117
21	148
22	117
23	136
24	106
25	85
26	201
27	76
28	91
29	155
30	106
31	121
Total:	3749

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.107	0.000	0.000
0.125	0.000	0.000
0.21	0.000	0.000
0.191	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Karen Lail for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024956

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Sep-05 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
1	5.0	17.43	1.1	3.8	5.6	19.5	0.398	1.388	0.0005	0.0017	0.000	0.000	0.000	0.000
8	3.0	10.9	1.5	5.5	7.4	27.0	0.098	0.356	0.004	0.0145	0.000	0.000	0.000	0.000
15	3.0	11.1	1.7	6.3	7.4	27.5	0.152	0.564	0.001	0.0037	0.000	0.000	0.000	0.000
22	4.0	13.9	1.6	5.6	8.0	27.9	0.091	0.317	0.001	0.0035	0.000	0.000	0.000	0.000
29	3.0	10.9	1.4	5.1	7.9	28.6	0.146	0.528	0.0005	0.0018	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3487	1	2.4	1	7.8
2	3551	2	2.3	2	8.0
3	3702	3	2.1	3	7.9
4	3475	4	1.9	4	8.0
5	3475	5	2.3	5	7.9
6	3373	6	2.1	6	7.9
7	3063	7	2.1	7	7.8
8	3634	8	1.5	8	8.1
9	3365	9	1.4	9	7.6
10	3278	10	1.8	10	7.4
11	3123	11	1.3	11	7.8
12	3536	12	3.7	12	7.7
13	3505	13	1.5	13	7.8
14	3680	14	1.2	14	7.7
15	3710	15	1.5	15	7.7
16	3672	16	2.1	16	7.7
17	3786	17	1.5	17	7.6
18	3733	18	1.4	18	7.9
19	3585	19	1.5	19	7.9
20	3449	20	2.0	20	7.7
21	3490	21	2.6	21	7.8
22	3487	22	2.5	22	7.5
23	3627	23	2.1	23	7.8
24	3555	24	2.2	24	7.9
25	3846	25	2.3	25	7.7
26	3403	26	1.8	26	7.9
27	3498	27	1.5	27	7.7
28	3259	28	1.7	28	7.8
29	3619	29	3.0	29	8.2
30	3418	30	5.5	30	8.3
Total:	105384				

(002) DAILY FLOW'S	
Day	M^3
1	132
2	72
3	197
4	288
5	87
6	178
7	136
8	132
9	129
10	91
11	151
12	114
13	106
14	102
15	170
16	49
17	159
18	102
19	67
20	106
21	197
22	201
23	45
24	155
25	167
26	68
27	102
28	102
29	68
30	106
Total:	3780

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.114	0.000	0.000
0.161	0.000	0.000
0.176	0.000	0.000
0.373	0.000	0.000
0.058	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Greg Said for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 Permit Number: 101128
7200 NW Front Avenue Oct-05 Discharge Data
Portland, Oregon 97210-3676

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
6	3.0	10.68	1.7	6.0	8.2	29.2	0.074	0.260	0.0005	0.0018	0.000	0.000	0.000	0.000
13	3.0	10.3	1.5	5.1	9.3	31.8	0.103	0.350	0.0005	0.0017	0.000	0.000	0.000	0.000
20	7.0	23.3	4.5	15.0	8.5	28.4	0.143	0.480	0.0005	0.0017	0.000	0.000	0.000	0.000
27	4.0	14.0	1.3	4.6	7.5	26.1	0.089	0.310	0.0005	0.0018	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		01) Turbidity Daily A		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3823	1	2.9	1	8.5
2	3668	2	3.5	2	8.3
3	3717	3	3.4	3	7.8
4	3078	4	3.2	4	7.8
5	3593	5	2.4	5	8.0
6	3558	6	1.7	6	8.2
7	3165	7	2.3	7	7.9
8	3729	8	2.0	8	8.1
9	3468	9	2.3	9	7.9
10	3396	10	2.2	10	8.3
11	3562	11	1.5	11	8.0
12	3104	12	1.1	12	7.9
13	3430	13	1.8	13	8.0
14	3589	14	3.2	14	7.9
15	3570	15	1.9	15	7.6
16	3767	16	2.2	16	7.7
17	3540	17	1.7	17	7.6
18	3210	18	1.5	18	7.6
19	3513	19	2.0	19	7.9
20	3324	20	1.6	20	7.7
21	3646	21	1.7	21	8.1
22	3452	22	3.4	22	8.0
23	3513	23	3.7	23	7.8
24	3524	24	3.3	24	8.2
25	3611	25	1.9	25	8.0
26	3555	26	1.3	26	7.9
27	3509	27	2.0	27	7.6
28	3381	28	2.0	28	8.0
29	3460	29	2.0	29	7.9
30	3661	30	2.0	30	7.9
31	3301	31	1.9	31	7.8
Total:	108416				

(002) DAILY FLOW'S	
Day	M^3
1	129
2	121
3	110
4	125
5	106
6	68
7	129
8	231
9	68
10	159
11	79
12	117
13	148
14	87
15	144
16	91
17	163
18	148
19	87
20	132
21	102
22	121
23	144
24	79
25	110
26	110
27	117
28	155
29	72
30	110
31	117
Total:	3680

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.094	0.000	0.000
0.171	0.000	0.000
0.125	0.000	0.000
0.171	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Per Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024958

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 **Permit Number: 101128**
7200 NW Front Avenue **Nov-05 Discharge Data**
Portland, Oregon 97210-3676

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
4	6.8	24.89	1.5	5.5	6.8	24.9	0.134	0.490	0.0005	0.0018	0.000	0.000	0.000	0.000
10	4.5	15.9	2.8	9.9	7.3	25.9	0.195	0.690	0.0005	0.0018	0.000	0.000	0.000	0.000
14	3.9	14.3	2.6	9.5	6.4	23.4	0.167	0.610	0.0009	0.0033	0.000	0.000	0.000	0.000
22	7.1	25.6	3.0	10.8	8.6	31.1	0.234	0.850	0.0004	0.0014	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		01) Turbidity Daily A		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3543	1	2.3	1	7.7
2	3452	2	1.9	2	7.7
3	3558	3	1.5	3	7.9
4	3661	4	1.7	4	7.8
5	3415	5	2.2	5	8.2
6	3642	6	1.9	6	8.3
7	3547	7	2.0	7	7.9
8	3664	8	1.5	8	7.8
9	3471	9	1.5	9	7.9
10	3543	10	1.8	10	8.1
11	3532	11	2.0	11	7.9
12	3714	12	1.8	12	8.2
13	3596	13	1.6	13	8.1
14	3657	14	1.6	14	8.2
15	3116	15	1.7	15	7.7
16	3490	16	2.2	16	8.5
17	3028	17	1.5	17	8.2
18	2646	18	1.7	18	7.8
19	3426	19	2.8	19	7.9
20	3365	20	2.1	20	7.7
21	3596	21	2.2	21	8.1
22	3611	22	1.4	22	7.9
23	3377	23	1.5	23	8.1
24	3555	24	1.5	24	7.8
25	3604	25	1.9	25	7.9
26	3767	26	1.4	26	7.9
27	3479	27	1.8	27	8.1
28	3426	28	1.6	28	7.7
29	3680	29	1.6	29	7.8
30	3502	30	1.6	30	8.0
Total:	104665				

(002) DAILY FLOW'S	
Day	M^3
1	87
2	151
3	83
4	125
5	257
6	102
7	159
8	155
9	197
10	291
11	288
12	352
13	155
14	136
15	129
16	57
17	45
18	167
19	140
20	140
21	68
22	72
23	129
24	117
25	174
26	163
27	57
28	280
29	662
30	742
Total:	5682

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.199	0.000	0.000
0.366	0.000	0.000
0.127	0.000	0.000
0.167	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Drew Said by Stephanie	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Dec-05 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
1	6.9	23.61	3.6	12.3	7.7	26.1	0.378	1.29	0.00289	0.0098	0.000	0.000	0.000	0.000
8	4.8	16.7	2.8	9.8	7.7	26.9	0.475	1.66	0.0005	0.0017	0.000	0.000	0.000	0.000
15	4.3	15.2	1.3	4.6	7.9	27.8	0.298	1.05	0.0005	0.0018	0.000	0.000	0.000	0.000
22	5.6	19.0	1.9	6.4	8.0	26.9	0.287	0.97	0.0005	0.0017	0.000	0.000	0.000	0.000
29	5.5	19.9	1.4	5.1	6.8	24.8	0.077	0.28	0.0005	0.0018	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3407	1	1.3	1	8.0
2	3551	2	1.4	2	8.2
3	3335	3	1.3	3	7.8
4	3494	4	1.9	4	7.9
5	3331	5	1.6	5	8.1
6	3335	6	1.1	6	8.1
7	3407	7	1.2	7	8.0
8	3498	8	1.4	8	7.6
9	3517	9	1.4	9	7.7
10	3608	10	1.3	10	8.0
11	3699	11	1.5	11	8.0
12	3502	12	1.7	12	8.0
13	3293	13	1.5	13	8.0
14	3369	14	1.6	14	7.8
15	3513	15	1.8	15	7.9
16	3577	16	1.6	16	7.7
17	3169	17	1.6	17	7.8
18	3381	18	1.6	18	7.8
19	3146	19	1.5	19	7.9
20	3373	20	1.4	20	8.1
21	3524	21	1.3	21	7.8
22	3377	22	1.9	22	7.9
23	3736	23	1.3	23	8.2
24	3328	24	1.4	24	8.3
25	3615	25	1.2	25	8.1
26	3358	26	1.5	26	8.1
27	3422	27	1.3	27	7.9
28	3464	28	2.1	28	8.4
29	3634	29	1.6	29	8.2
30	3638	30	1.9	30	8.2
31	4179.3	31	1.8	31	8.3
Total:	107780				

(002) DAILY FLOW'S	
Day	M^3
1	121
2	106
3	114
4	140
5	61
6	144
7	102
8	121
9	151
10	53
11	121
12	125
13	110
14	167
15	95
16	163
17	102
18	91
19	76
20	106
21	102
22	132
23	95
24	117
25	102
26	125
27	98
28	91
29	197
30	163
31	79.5
Total:	3570

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.128	0.000	0.000
0.187	0.000	0.000
0.172	0.000	0.000
0.176	0.000	0.000
0.296	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		8/28/05		503-243-2020
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			

SCOEPA00024960

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Dec-06 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
6	9.0	29.37	4.3	14.1	7.9	25.7	0.144	0.471	0.0005	0.0016	0.000	0.000	0.000	0.000
14	5.9	19.6	5.7	18.9	6.8	22.5	0.172	0.570	0.00151	0.0050	0.000	0.000	0.000	0.000
21	8.2	25.7	4.1	12.8	6.6	20.6	0.187	0.585	0.0005	0.0016	0.000	0.000	0.000	0.000
28	5.2	18.3	4.4	15.4	5.8	20.3	0.185	0.647	0.00217	0.0076	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3490	1	1.0	1	8.1
2	3373	2	1.3	2	8.4
3	3225	3	1.3	3	7.9
4	3263	4	1.3	4	8.1
5	3418	5	1.4	5	8.1
6	3271	6	1.5	6	8.1
7	3214	7	1.9	7	8.1
8	3471	8	2.1	8	8.5
9	3540	9	1.9	9	8.4
10	3237	10	1.6	10	8.3
11	3305	11	1.6	11	7.8
12	3653	12	1.6	12	7.8
13	3524	13	1.9	13	8.2
14	3312	14	1.9	14	8.3
15	3710	15	1.6	15	8.5
16	3793	16	2.7	16	8.1
17	3225	17	2.1	17	8.1
18	3399	18	1.8	18	8.1
19	3165	19	2.3	19	8.3
20	4013	20	2.5	20	8.4
21	3127	21	2.2	21	7.9
22	3513	22	2.4	22	8.3
23	3532	23	2.1	23	8.2
24	3460	24	2.0	24	8.1
25	3706	25	2.0	25	8.0
26	2866	26	2.2	26	8.0
27	3861	27	1.8	27	7.8
28	3498	28	1.5	28	8.1
29	3619	29	2.3	29	7.8
30	3861	30	2.6	30	8.3
31	3528.2	31	2.8	31	8.3
Total:	107174				

(002) DAILY FLOW'S	
Day	M^3
1	174
2	265
3	102
4	223
5	87
6	261
7	57
8	269
9	102
10	178
11	91
12	151
13	185
14	98
15	148
16	174
17	132
18	102
19	231
20	189
21	151
22	269
23	625
24	477
25	178
26	182
27	106
28	193
29	136
30	167
31	177.9
Total:	5883

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.443	0.000	0.000
0.137	0.000	0.000
0.148	0.000	0.000
0.358	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		8/28/07		503-243-2020
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 **Permit Number: 101128**
7200 NW Front Avenue **Nov-06** **Discharge Data**
Portland, Oregon 97210-3676

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
2	2.0	7.15	3.1	11.1	7.6	27.3	0.198	0.708	0.0005	0.0018	0.000	0.000	0.000	0.000
9	6.3	22.5	1.7	6.1	7.3	26.2	0.157	0.565	0.0005	0.0018	0.000	0.000	0.000	0.000
16	2.0	7.3	1.8	6.5	8.5	31.0	0.341	1.237	0.0005	0.0018	0.000	0.000	0.000	0.000
23	7.0	23.3	1.6	5.3	9.1	30.3	0.310	1.032	0.0005	0.0017	0.000	0.000	0.000	0.000
30	5.9	20.6	2.8	9.8	7.1	24.8	0.224	0.782	0.0005	0.0017	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		01) Turbidity Daily A		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3725	1	1.0	1	7.9
2	3574	2	0.9	2	8.1
3	3861	3	0.9	3	8.1
4	3551	4	0.7	4	8.1
5	3574	5	0.8	5	8.1
6	3490	6	0.8	6	8.5
7	4308	7	0.7	7	8.4
8	3358	8	0.7	8	8.3
9	3596	9	0.8	9	7.8
10	3532	10	1.0	10	7.8
11	3691	11	1.1	11	8.2
12	3309	12	0.7	12	8.3
13	3543	13	0.7	13	8.5
14	3229	14	1.0	14	8.1
15	3505	15	1.1	15	8.1
16	3627	16	1.2	16	8.1
17	3786	17	1.1	17	8.3
18	3498	18	1.1	18	8.4
19	3702	19	1.5	19	7.9
20	3672	20	0.9	20	8.3
21	3729	21	0.9	21	8.2
22	3683	22	0.8	22	8.1
23	3328	23	0.8	23	8.0
24	3979	24	0.9	24	8.0
25	3259	25	0.7	25	7.8
26	3509	26	0.8	26	8.1
27	3494	27	0.8	27	7.8
28	3392	28	1.0	28	8.3
29	3479	29	1.3	29	8.3
30	3490	30	1.1	30	8.6
Total:	107474				

(002) DAILY FLOW'S	
Day	M^3
1	223
2	269
3	307
4	269
5	208
6	326
7	148
8	163
9	132
10	136
11	140
12	148
13	212
14	216
15	204
16	182
17	333
18	167
19	273
20	560
21	329
22	280
23	208
24	242
25	136
26	117
27	129
28	163
29	216
30	197
Total:	6632

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.767	0.000	0.000
0.683	0.000	0.000
1.069	0.000	0.000
0.679	0.000	0.000
0.472	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue			8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 **Permit Number: 101128**
7200 NW Front Avenue **Oct-06** **Discharge Data**
Portland, Oregon 97210-3676

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
5	4.6	15.74	3.4	11.6	6.8	23.1	0.143	0.489	0.0005	0.0017	0.000	0.000	0.000	0.000
12	6.9	26.1	3.5	13.2	6.7	25.3	0.274	1.036	0.0005	0.0019	0.000	0.000	0.000	0.000
17	5.6	20.5	2.9	10.6	6.9	25.5	0.236	0.866	0.0005	0.0018	0.000	0.000	0.000	0.000
26	7.5	22.9	3.9	11.9	3.2	9.9	0.798	2.438	0.0005	0.0015	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(01) Turbidity Daily A		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3206	1	1.5	1	8.0
2	3354	2	1.3	2	8.1
3	3717	3	1.0	3	7.9
4	3028	4	1.0	4	8.1
5	3422	5	1.5	5	8.1
6	4013	6	1.4	6	8.1
7	3426	7	1.4	7	8.1
8	3403	8	1.7	8	8.5
9	3316	9	1.4	9	8.4
10	3271	10	1.4	10	8.3
11	3596	11	1.8	11	7.8
12	3782	12	1.7	12	7.8
13	3426	13	1.5	13	8.2
14	3551	14	1.4	14	8.3
15	3585	15	1.4	15	8.5
16	3513	16	1.2	16	8.1
17	3668	17	1.7	17	8.1
18	3664	18	1.8	18	8.1
19	3483	19	1.9	19	8.3
20	3509	20	1.2	20	8.4
21	3028	21	1.4	21	7.9
22	2419	22	0.7	22	8.3
23	2093	23	0.7	23	8.2
24	2279	24	0.8	24	8.1
25	2037	25	1.0	25	8.0
26	3055	26	3.1	26	8.0
27	3551	27	1.9	27	7.8
28	3725	28	1.2	28	8.1
29	3615	29	1.1	29	7.8
30	3191	30	1.1	30	8.3
31	3392	31	1.0	31	8.3
Total:	102321				

(002) DAILY FLOW'S	
Day	M^3
1	61
2	273
3	201
4	151
5	189
6	151
7	193
8	231
9	170
10	163
11	178
12	216
13	197
14	201
15	151
16	204
17	216
18	185
19	220
20	254
21	223
22	193
23	204
24	401
25	238
26	363
27	545
28	333
29	337
30	257
31	178
Total:	7079

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.717	0.000	0.000
0.375	0.000	0.000
0.700	0.000	0.000
1.016	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		8/28/07		503-243-2020
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Sep-06 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
6	2.0	6.69	5.2	17.4	7.5	25.2	0.132	0.441	0.00163	0.0054	0.000	0.000	0.000	0.000
14	2.0	7.4	3.6	13.4	8.2	30.6	0.357	1.328	0.0005	0.0019	0.000	0.000	0.000	0.000
21	2.0	7.2	2.9	10.5	7.9	28.6	0.289	1.042	0.00114	0.0041	0.000	0.000	0.000	0.000
25	2.0	7.6	2.5	9.5	9.4	35.7	0.187	0.711	0.00123	0.0047	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	2843	1	0.9	1	7.7
2	2862	2	1.4	2	8.0
3	3180	3	1.4	3	7.9
4	2813	4	1.6	4	8.1
5	3755	5	2.0	5	8.1
6	3343	6	2.0	6	8.1
7	3437	7	1.4	7	8.1
8	3770	8	1.8	8	8.5
9	3600	9	2.2	9	8.4
10	3206	10	1.5	10	8.3
11	3593	11	1.2	11	7.8
12	3434	12	1.2	12	7.8
13	3498	13	1.4	13	8.2
14	3721	14	1.7	14	8.3
15	3543	15	1.8	15	8.5
16	3570	16	2.7	16	8.1
17	3418	17	1.6	17	8.1
18	3517	18	1.2	18	8.1
19	3611	19	1.3	19	8.3
20	3078	20	2.0	20	8.4
21	3604	21	2.1	21	7.9
22	2858	22	2.6	22	8.3
23	3460	23	1.4	23	8.2
24	3479	24	1.4	24	8.1
25	3801	25	2.4	25	8.0
26	3524	26	1.7	26	8.0
27	3191	27	2.5	27	7.8
28	3078	28	2.3	28	8.1
29	3551	29	2.5	29	7.8
30	3540	30	2.2	30	8.3
Total:	101878				

(002) DAILY FLOW'S	
Day	M^3
1	167
2	299
3	362
4	202
5	214
6	136
7	178
8	420
9	564
10	382
11	326
12	235
13	246
14	155
15	269
16	185
17	197
18	231
19	242
20	197
21	220
22	197
23	257
24	265
25	204
26	204
27	261
28	129
29	106
30	61
Total:	7111

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.453	0.000	0.000
0.575	0.000	0.000
0.703	0.000	0.000
0.502	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Karen Lid for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Aug-06 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
2	2.0	7.36	2.2	8.1	6.0	22.1	0.182	0.670	0.0005	0.0018	0.000	0.000	0.000	0.000
10	5.4	19.6	3.4	12.3	7.2	26.1	0.167	0.606	0.0005	0.0018	0.000	0.000	0.000	0.000
17	2.0	7.4	3.0	11.1	8.9	33.0	0.112	0.416	0.001	0.0037	0.000	0.000	0.000	0.000
24	4.0	13.9	3.5	12.1	8.1	28.0	0.250	0.865	0.0005	0.0017	0.000	0.000	0.000	0.000
31	2.0	5.0	1.3	3.2	6.2	15.4	0.065	0.162	0.00114	0.0028	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3611	1	1.6	1	7.9
2	3680	2	1.4	2	7.6
3	3403	3	2.3	3	7.9
4	3263	4	2.2	4	7.9
5	3725	5	2.5	5	8.0
6	3623	6	1.9	6	8.0
7	3611	7	1.7	7	7.8
8	3581	8	1.6	8	7.7
9	3475	9	1.4	9	7.8
10	3630	10	2.2	10	7.8
11	3623	11	1.7	11	7.9
12	3596	12	1.4	12	7.8
13	3381	13	1.5	13	7.5
14	3498	14	2.3	14	7.8
15	3509	15	2.0	15	8.1
16	3475	16	1.9	16	8.0
17	3710	17	2.3	17	7.8
18	3471	18	2.2	18	7.7
19	3755	19	1.5	19	7.6
20	3271	20	1.5	20	7.8
21	3929	21	1.7	21	7.5
22	3403	22	2.1	22	7.8
23	3577	23	2.3	23	7.7
24	3460	24	2.4	24	7.9
25	3483	25	2.0	25	7.6
26	3581	26	2.1	26	7.8
27	3150	27	2.4	27	7.9
28	3619	28	2.1	28	7.7
29	3524	29	1.8	29	7.8
30	3305	30	1.3	30	7.7
31	2491	31	0.9	31	7.9
Total:	108416				

(002) DAILY FLOW'S	
Day	M^3
1	125
2	189
3	110
4	167
5	185
6	102
7	220
8	148
9	140
10	159
11	144
12	125
13	197
14	148
15	197
16	178
17	250
18	140
19	121
20	182
21	185
22	148
23	189
24	155
25	144
26	159
27	155
28	208
29	83
30	148
31	144
Total:	4944

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.197	0.000	0.000
0.138	0.000	0.000
0.292	0.000	0.000
0.165	0.000	0.000
0.431	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue			8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024965

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
July-06 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
6	2.0	6.70	4.2	14.1	7.5	25.1	0.080	0.268	0.0005	0.0017	0.000	0.000	0.000	0.000
13	2.0	6.8	3.2	10.8	5.2	17.6	0.118	0.399	0.0005	0.0017	0.000	0.000	0.000	0.000
19	2.0	6.6	3.4	11.2	6.8	22.4	0.454	1.499	0.0005	0.0017	0.000	0.000	0.000	0.000
27	4.4	16.1	4.3	15.7	7.8	28.5	0.147	0.536	0.0005	0.0018	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	4088	1	5.5	1	7.9
2	3577	2	4.4	2	7.9
3	3278	3	6.5	3	8.1
4	3426	4	5.3	4	8.1
5	3479	5	4.8	5	7.5
6	3350	6	5.2	6	7.4
7	3324	7	3.5	7	7.8
8	3070	8	3.3	8	8.1
9	3407	9	4.1	9	7.9
10	3392	10	2.9	10	7.9
11	3275	11	4.0	11	7.4
12	3301	12	3.3	12	7.8
13	3381	13	1.2	13	8.0
14	3540	14	1.0	14	7.9
15	3812	15	0.9	15	7.8
16	3562	16	0.8	16	7.8
17	3381	17	0.8	17	8.1
18	3725	18	0.9	18	8.0
19	3301	19	0.7	19	8.1
20	3664	20	1.2	20	7.9
21	3861	21	1.7	21	7.8
22	3577	22	1.4	22	7.8
23	3543	23	1.5	23	7.8
24	3752	24	1.3	24	7.7
25	3187	25	1.7	25	7.9
26	3668	26	1.5	26	8.0
27	3649	27	1.3	27	8.1
28	3649	28	1.7	28	7.8
29	3649	29	1.6	29	8.1
30	3604	30	1.3	30	7.9
31	3611	31	1.4	31	7.8
Total:	109086				

(002) DAILY FLOW'S	
Day	M^3
1	216
2	110
3	110
4	208
5	140
6	87
7	167
8	106
9	144
10	185
11	61
12	174
13	98
14	136
15	98
16	136
17	140
18	148
19	144
20	155
21	151
22	163
23	136
24	151
25	367
26	333
27	212
28	212
29	197
30	212
31	144
Total:	5042

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.201	0.000	0.000
0.238	0.000	0.000
0.131	0.000	0.000
0.345	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		8/28/07	503-243-2020
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024966

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
June-06 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
1	2.0	6.54	3.7	12.1	6.0	19.6	0.090	0.290	0.00087	0.0028	0.000	0.000	0.000	0.000
8	4.5	14.3	4.0	12.6	6.2	19.6	0.114	0.360	0.0005	0.0016	0.000	0.000	0.000	0.000
15	4.4	12.6	4.9	14.0	5.9	16.9	0.077	0.220	0.0033	0.0094	0.000	0.000	0.000	0.000
22	2.0	6.5	3.5	11.4	6.0	19.6	0.176	0.570	0.001	0.0033	0.000	0.000	0.000	0.000
29	2.0	6.5	6.5	21.0	5.2	16.8	0.115	0.370	0.0005	0.0016	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3271	1	8.9	1	7.9
2	3244	2	8.8	2	8.1
3	3468	3	6.2	3	8.1
4	3574	4	6.8	4	8.1
5	3278	5	6.6	5	8.1
6	3392	6	7.4	6	8.5
7	3316	7	8.4	7	8.4
8	3157	8	4.7	8	8.3
9	3324	9	4.8	9	7.8
10	3013	10	6.4	10	7.8
11	3203	11	6.4	11	8.2
12	2798	12	6.5	12	8.3
13	3063	13	7.6	13	8.5
14	3346	14	6.6	14	8.1
15	2862	15	5.7	15	8.1
16	3649	16	5.5	16	8.1
17	3324	17	7.2	17	8.3
18	3010	18	8.2	18	8.4
19	3229	19	7.9	19	7.9
20	3339	20	6.9	20	8.3
21	3990	21	5.5	21	8.2
22	3256	22	6.5	22	8.1
23	3396	23	6.4	23	8.0
24	3377	24	4.8	24	8.0
25	3335	25	5.7	25	7.8
26	3399	26	6.7	26	8.1
27	3422	27	8.9	27	7.8
28	3286	28	7.5	28	8.3
29	3237	29	6.5	29	8.3
30	3119	30	7.1	30	8.6
Total:	98676				

(002) DAILY FLOW'S	
Day	M^3
1	257
2	180
3	121
4	136
5	136
6	121
7	102
8	53
9	132
10	72
11	136
12	129
13	303
14	307
15	91
16	182
17	91
18	79
19	155
20	79
21	189
22	76
23	79
24	140
25	68
26	121
27	136
28	106
29	208
30	216
Total:	4204

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.334	0.000	0.000
0.61	0.000	0.000
0.376	0.000	0.000
0.238	0.000	0.000
0.279	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue				503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024967

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 **Permit Number: 101128**
7200 NW Front Avenue **May-06 Discharge Data**
Portland, Oregon 97210-3676

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
4	4.3	13.97	3.8	12.3	8.1	26.4	0.067	0.220	0.0005	0.0016	0.000	0.000	0.000	0.000
11	2.0	7.2	4.7	17.0	7.8	28.1	0.173	0.370	0.0005	0.0018	0.000	0.000	0.000	0.000
18	4.1	15.1	3.9	14.4	5.6	20.5	0.221	0.820	0.0005	0.0018	0.000	0.000	0.000	0.000
15	4.1	14.9	2.1	7.6	6.1	22.1	0.198	0.700	0.0005	0.0018	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		01) Turbidity Daily A		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3358	1	3.2	1	7.9
2	3157	2	3.5	2	8.1
3	3293	3	2.6	3	8.1
4	3248	4	7.3	4	8.1
5	3551	5	10.9	5	8.1
6	3562	6	11.2	6	8.5
7	3733	7	13.6	7	8.4
8	3699	8	15.1	8	8.3
9	3770	9	15.0	9	7.8
10	3543	10	12.3	10	7.8
11	3608	11	11.4	11	8.2
12	3222	12	9.3	12	8.3
13	3604	13	5.2	13	8.5
14	3596	14	5.6	14	8.1
15	3630	15	5.3	15	8.1
16	3547	16	5.3	16	8.1
17	3676	17	6.1	17	8.3
18	3691	18	3.3	18	8.4
19	3842	19	5.3	19	7.9
20	3630	20	6.6	20	8.3
21	3331	21	8.8	21	8.2
22	3672	22	5.1	22	8.1
23	3551	23	7.2	23	8.0
24	3634	24	7.7	24	8.0
25	3558	25	7.9	25	7.8
26	3505	26	7.4	26	8.1
27	3566	27	7.8	27	7.8
28	3434	28	7.6	28	8.3
29	3309	29	5.6	29	8.3
30	3286	30	6.6	30	8.6
31	3335	31	7.2	31	8.1
Total:	109143				

(002) DAILY FLOW'S	
Day	M^3
1	174
2	231
3	401
4	231
5	79
6	178
7	329
8	95
9	140
10	45
11	140
12	132
13	295
14	140
15	189
16	238
17	337
18	363
19	333
20	167
21	95
22	182
23	132
24	151
25	121
26	185
27	163
28	114
29	159
30	91
31	106
Total:	5739

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.222	0.000	0.000
0.248	0.000	0.000
0.177	0.000	0.000
0.122	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue	Tracy Said for Siltronic		8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 **Permit Number: 101128**
7200 NW Front Avenue **April-06 Discharge Data**
Portland, Oregon 97210-3676

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
6	6.1	21.11	3.5	12.1	6.7	23.2	0.072	0.25	0.00519	0.0180	0.000	0.000	0.000	0.000
13	4.8	17.1	2.8	10.0	7.6	27.0	0.304	1.09	0.0005	0.0018	0.000	0.000	0.000	0.000
20	5.7	19.3	3.5	11.9	6.8	23.0	0.254	0.86	0.0005	0.0017	0.000	0.000	0.000	0.000
27	2.0	7.5	1.8	6.7	6.2	23.3	0.127	0.47	0.0005	0.0019	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(01) Turbidity Daily A		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3464	1	3.9	1	7.9
2	3256	2	4.1	2	8.1
3	3521	3	4.0	3	8.1
4	3494	4	3.9	4	8.1
5	3521	5	3.7	5	8.1
6	3460	6	3.6	6	8.5
7	3252	7	3.6	7	8.4
8	3577	8	5.8	8	8.3
9	3600	9	5.7	9	7.8
10	3195	10	5.9	10	7.8
11	3646	11	7.2	11	8.2
12	3562	12	9.4	12	8.3
13	3570	13	6.9	13	8.5
14	3630	14	9.4	14	8.1
15	3407	15	6.4	15	8.1
16	3687	16	5.0	16	8.1
17	3502	17	7.7	17	8.3
18	3358	18	11.2	18	8.4
19	3131	19	6.9	19	7.9
20	3403	20	5.5	20	8.3
21	3702	21	6.8	21	8.2
22	3717	22	6.6	22	8.1
23	3475	23	5.5	23	8.0
24	3487	24	3.8	24	8.0
25	3509	25	5.7	25	7.8
26	3267	26	5.2	26	8.1
27	3729	27	8.3	27	7.8
28	2820	28	9.2	28	8.3
29	3733	29	10.9	29	8.3
30	3630	30	6.6	30	8.6
Total:	108770				

(002) DAILY FLOW'S	
Day	M^3
1	79
2	208
3	129
4	742
5	163
6	98
7	132
8	102
9	42
10	182
11	87
12	144
13	132
14	53
15	170
16	87
17	79
18	182
19	49
20	121
21	129
22	307
23	189
24	72
25	95
26	178
27	68
28	303
29	79
30	68
Total:	4471

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.105	0.000	0.000
0.286	0.000	0.000
0.283	0.000	0.000
0.209	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
March-06 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
2	2.0	6.34	3.6	11.4	8.3	26.3	0.096	0.300	0.0005	0.0016	0.000	0.000	0.000	0.000
9	4.0	14.1	2.1	7.4	7.9	27.9	0.133	0.470	0.0005	0.0018	0.000	0.000	0.000	0.000
16	4.7	16.8	2.5	8.9	6.7	24.0	0.106	0.380	0.0005	0.0018	0.000	0.000	0.000	0.000
23	2.0	6.6	1.4	4.6	7.9	26.0	0.118	0.390	0.0005	0.0017	0.000	0.000	0.000	0.000
30	5.7	20.3	2.0	7.1	7.4	26.3	0.135	0.480	0.0005	0.0018	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3619	1	4.6	1	8.1
2	3169	2	5.2	2	8.0
3	3547	3	8.8	3	8.0
4	3066	4	2.6	4	8.2
5	3191	5	3.8	5	8.4
6	2968	6	4.4	6	8.3
7	3403	7	5.4	7	7.9
8	3487	8	6.1	8	8.2
9	3536	9	4.8	9	8.0
10	3581	10	6.2	10	8.5
11	3396	11	5.1	11	7.9
12	3328	12	5.6	12	8.2
13	3218	13	5.3	13	8.2
14	3574	14	5.4	14	8.3
15	3441	15	5.0	15	8.3
16	3566	16	5.4	16	7.8
17	3733	17	5.7	17	7.7
18	3725	18	5.2	18	8.2
19	3498	19	4.1	19	7.9
20	3611	20	4.4	20	8.0
21	3373	21	4.3	21	8.2
22	3301	22	4.5	22	8.3
23	3309	23	4.2	23	8.1
24	3426	24	4.0	24	7.8
25	3524	25	4.6	25	8.2
26	3199	26	4.2	26	8.3
27	3316	27	5.0	27	8.2
28	3464	28	3.9	28	8.1
29	3558	29	4.2	29	7.7
30	3574	30	4.3	30	7.8
31	3574	31	4.7	31	8.0
Total:	106273				

(002) DAILY FLOW'S	
Day	M^3
1	83
2	140
3	68
4	106
5	246
6	76
7	132
8	129
9	72
10	174
11	79
12	72
13	178
14	76
15	136
16	129
17	72
18	197
19	102
20	102
21	159
22	231
23	182
24	79
25	110
26	129
27	95
28	140
29	125
30	129
31	132
Total:	3880

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.07	0.000	0.000
0.071	0.000	0.000
0.116	0.000	0.000
0.226	0.000	0.000
0.195	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)	Roger Lai for Siltronic	DATE	Telephone
Tom McCue		8/28/07		503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 **Permit Number: 101128**
7200 NW Front Avenue **February-06 Discharge Data**
Portland, Oregon 97210-3676

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
2	4.3	15.95	1.4	5.15	6.6	24.26	0.072	0.26	0.0005	0.0018	0.000	0.000	0.000	0.000
9	2.0	6.99	5.2	18.17	7.0	24.46	0.087	0.30	0.0005	0.0017	0.000	0.000	0.000	0.000
16	9.3	31.34	3.1	10.49	5.8	19.63	0.102	0.35	0.0005	0.0017	0.000	0.000	0.000	0.000
23	4.8	16.72	3.6	12.59	8.7	30.43	0.122	0.43	0.0005	0.0017	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		01) Turbidity Daily A		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3763	1	2.4	1	8.4
2	3676	2	4.0	2	7.9
3	3517	3	4.7	3	8.3
4	3153	4	4.3	4	8.4
5	3521	5	1.7	5	8.1
6	3581	6	2.4	6	8.2
7	3770	7	3.0	7	8.2
8	3551	8	3.2	8	8.2
9	3494	9	3.1	9	8.1
10	3373	10	4.2	10	8.1
11	4471	11	4.0	11	7.8
12	3225	12	4.2	12	7.9
13	3479	13	5.0	13	7.9
14	3471	14	4.6	14	8.3
15	3320	15	5.2	15	7.8
16	3384	16	6.3	16	8.2
17	3574	17	5.5	17	8.1
18	3169	18	5.4	18	7.8
19	3407	19	4.2	19	8.1
20	3468	20	5.0	20	8.1
21	3403	21	4.4	21	7.6
22	3513	22	3.9	22	7.9
23	3498	23	5.1	23	8.1
24	3373	24	4.3	24	8.0
25	3305	25	5.9	25	7.8
26	3562	26	4.7	26	7.6
27	3222	27	5.7	27	8.0
28	3248	28	5.2	28	8.2
Total:	100930				

(002) DAILY FLOW'S	
Day	M^3
1	197
2	64
3	61
4	170
5	68
6	140
7	121
8	72
9	163
10	76
11	114
12	167
13	83
14	148
15	64
16	76
17	140
18	356
19	136
20	129
21	102
22	95
23	125
24	72
25	178
26	83
27	114
28	132
Total:	3445

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.433	0.000	0.000
0.101	0.000	0.000
0.185	0.000	0.000
0.413	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Jan-06 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
5	2.0	7.04	2.3	8.1	7.3	25.7	0.086	0.303	0.0005	0.0018	0.000	0.000	0.000	0.000
12	2.0	6.9	3.6	12.5	8.4	29.2	0.125	0.434	0.0005	0.0017	0.000	0.000	0.000	0.000
19	2.0	6.8	1.9	6.4	8.6	29.1	0.174	0.589	0.0005	0.0017	0.000	0.000	0.000	0.000
26	4.0	15.1	3.6	13.5	7.3	27.2	0.103	0.386	0.0005	0.0019	0.000	0.000	0.000	0.000

(001) DAILY FLOWS		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M3	Day	NTU's	Day	pH
1	3577	1	1.6	1	7.9
2	3536	2	1.7	2	8.1
3	3646	3	1.4	3	8.1
4	3812	4	1.3	4	8.1
5	3521	5	1.5	5	8.1
6	3381	6	1.4	6	8.5
7	3710	7	1.0	7	8.4
8	3611	8	1.3	8	8.3
9	3540	9	1.4	9	7.8
10	3339	10	1.3	10	7.8
11	3180	11	1.7	11	8.2
12	3471	12	1.0	12	8.3
13	3748	13	1.5	13	8.5
14	3331	14	1.6	14	8.1
15	3297	15	1.7	15	8.1
16	2824	16	1.6	16	8.1
17	3570	17	1.3	17	8.3
18	3377	18	1.0	18	8.4
19	3384	19	1.6	19	7.9
20	2245	20	1.8	20	8.3
21	3638	21	1.8	21	8.2
22	3403	22	2.1	22	8.1
23	3078	23	3.2	23	8.0
24	3774	24	5.6	24	8.0
25	3577	25	4.5	25	7.8
26	3744	26	3.7	26	8.1
27	3176	27	4.4	27	7.8
28	3407	28	3.8	28	8.3
29	3441	29	3.9	29	8.3
30	3778	30	3.9	30	8.6
31	3714	31	1.9	31	8.1
Total:	106830				

(002) DAILY FLOWS	
Day	M3
1	125
2	110
3	106
4	125
5	72
6	68
7	91
8	102
9	121
10	102
11	110
12	110
13	102
14	715
15	242
16	68
17	174
18	83
19	106
20	57
21	269
22	174
23	68
24	424
25	38
26	95
27	178
28	140
29	38
30	38
31	261
Total:	4512

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl2 Free Available Daily Max mg/L	Cl2 Free Available Monthly Avg. mg/L
0.147	0.000	0.000
0.138	0.000	0.000
0.283	0.000	0.000
0.167	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Kay Faul for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024972

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Jan-07 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
4	11.6	41.23	5.4	19.2	6.3	22.4	0.211	0.75	0.00106	0.0038	0.000	0.000	0.000	0.000
11	2.0	7.4	3.6	13.4	4.0	14.9	0.061	0.23	0.0005	0.0019	0.000	0.000	0.000	0.000
18	4.3	14.2	5.0	16.5	4.7	15.6	0.107	0.35	0.0005	0.0017	0.000	0.000	0.000	0.000
25	4.5	14.7	5.3	17.2	5.3	17.0	0.108	0.35	0.0005	0.0016	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M3	Day	NTU's	Day	pH
1	3733	1	2.5	1	8.1
2	3362	2	2.1	2	8.2
3	3646	3	2.4	3	8.4
4	3555	4	2.3	4	8.3
5	3483	5	2.3	5	8.1
6	3206	6	2.0	6	8.2
7	3551	7	1.9	7	8.1
8	3558	8	2.2	8	8.0
9	3570	9	3.0	9	8.2
10	3547	10	2.5	10	8.0
11	3717	11	1.6	11	8.0
12	3324	12	1.8	12	8.2
13	3339	13	2.4	13	8.2
14	3418	14	2.9	14	8.3
15	3316	15	3.1	15	8.2
16	3150	16	2.2	16	8.4
17	3142	17	2.1	17	8.3
18	3305	18	2.7	18	8.2
19	3839	19	2.5	19	8.1
20	3127	20	2.2	20	8.1
21	3479	21	2.1	21	8.2
22	3093	22	2.0	22	8.2
23	3362	23	2.1	23	8.2
24	3203	24	2.7	24	8.2
25	3240	25	2.8	25	8.0
26	3142	26	2.5	26	8.0
27	3316	27	1.7	27	8.3
28	3293	28	1.5	28	8.3
29	3528	29	1.6	29	8.3
30	3604	30	0.9	30	8.2
31	3418	31	1.0	31	8.0
Total:	105566				

(002) DAILY FLOW'S	
Day	M3
1	167
2	250
3	212
4	242
5	204
6	772
7	254
8	117
9	197
10	106
11	102
12	174
13	795
14	742
15	988
16	973
17	1068
18	1632
19	397
20	6530
21	4637
22	3664
23	257
24	227
25	182
26	178
27	212
28	246
29	193
30	185
31	288
Total:	26193

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl2 Free Available Daily Max mg/L	Cl2 Free Available Monthly Avg. mg/L
0.308	0.000	0.000
0.062	0.000	0.000
0.062	0.000	0.000
0.082	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue			8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024973

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
Feb-07 Discharge Data

Outfall # 001															
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
1	0.0	0.00	2.1	6.97	6.1	20.29	0.066	0.22	0.0005	0.0017	0.000	0.000	0.000	0.000
8	4.5	15.96	4.9	17.46	6.1	21.66	0.128	0.46	0.0005	0.0018	0.000	0.000	0.000	0.000
15	2.0	6.13	1.7	5.21	6.7	20.37	0.107	0.33	0.0005	0.0015	0.000	0.000	0.000	0.000
22	2.0	7.27	2.4	8.72	5.8	21.08	0.086	0.31	0.0005	0.0018	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3320	1	1.2	1	8.2
2	3316	2	1.6	2	8.2
3	3680	3	1.3	3	8.2
4	3403	4	1.3	4	8.1
5	3085	5	1.5	5	8.2
6	3301	6	1.8	6	8.2
7	3309	7	1.9	7	8.2
8	3562	8	1.8	8	8.2
9	2926	9	1.4	9	8.4
10	3574	10	1.2	10	8.3
11	3437	11	1.4	11	8.1
12	3407	12	1.2	12	8.2
13	3316	13	1.0	13	8.1
14	3437	14	1.1	14	8.1
15	3063	15	1.4	15	8.0
16	3343	16	2.3	16	8.1
17	3377	17	0.9	17	8.1
18	3339	18	1.1	18	8.2
19	3494	19	1.1	19	8.2
20	3384	20	1.2	20	8.3
21	3229	21	1.3	21	8.1
22	3634	22	1.1	22	7.9
23	3358	23	1.2	23	8.0
24	3339	24	1.2	24	8.1
25	3199	25	1.4	25	8.4
26	3487	26	1.5	26	8.3
27	3683	27	1.5	27	8.2
28	3187	28	1.0	28	8.0
Total:	94190				

(002) DAILY FLOW'S	
Day	M^3
1	163
2	197
3	204
4	572
5	148
6	140
7	182
8	167
9	170
10	238
11	129
12	106
13	257
14	170
15	216
16	114
17	155
18	223
19	193
20	208
21	114
22	144
23	201
24	129
25	155
26	163
27	159
28	163
Total:	5179

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.081	0.000	0.000
0.092	0.000	0.000
0.096	0.000	0.000
0.175	0.000	0.000

Note:
BOD February 1st: Outside lab reported contamination of dilution water, resulting in high DO depletion of the blank and high (over-limit) spike results. Therefore, no valid results were obtained.

The 001 daily flow difference from original supplemental data submisssion is due to formula averaging 28 days instead of 30 days.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue			8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
March-07 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
1	2.0	7.14	1.8	6.4	6.0	21.4	0.108	0.39	0.0005	0.0018	0.000	0.000	0.000	0.000
8	4.7	17.3	3.2	11.8	7.4	27.3	0.086	0.32	0.0005	0.0018	0.000	0.000	0.000	0.000
15	2.0	6.6	3.3	10.8	6.2	20.3	0.092	0.30	0.0005	0.0016	0.000	0.000	0.000	0.000
22	2.0	7.4	3.2	11.8	6.9	25.4	0.125	0.46	0.0005	0.0018	0.000	0.000	0.000	0.000
26	4.7	17.1	1.7	6.2	8.2	29.9	0.128	0.47	0.0005	0.0018	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3570	1	1.5	1	8.0
2	3350	2	1.5	2	8.3
3	3767	3	1.3	3	8.5
4	3593	4	1.0	4	8.5
5	3248	5	1.2	5	8.2
6	3555	6	1.4	6	8.2
7	3767	7	1.6	7	8.2
8	3687	8	1.9	8	8.2
9	3596	9	2.5	9	8.1
10	3524	10	2.4	10	8.2
11	3142	11	2.5	11	8.2
12	3354	12	1.9	12	8.3
13	3119	13	1.7	13	8.2
14	3558	14	1.8	14	8.0
15	3278	15	1.9	15	8.1
16	3418	16	1.9	16	8.0
17	3604	17	2.1	17	7.9
18	3517	18	1.7	18	8.0
19	3301	19	1.6	19	8.1
20	3464	20	2.4	20	8.1
21	3558	21	1.9	21	8.2
22	3676	22	1.6	22	8.1
23	3551	23	2.2	23	8.4
24	3403	24	2.7	24	8.3
25	3748	25	2.4	25	8.5
26	3649	26	1.6	26	8.2
27	3517	27	1.7	27	8.2
28	3600	28	1.8	28	8.3
29	3358	29	2.5	29	8.2
30	3725	30	2.4	30	8.2
31	3547	31	1.6	31	8.0
Total:	108745				

(002) DAILY FLOW'S	
Day	M^3
1	197
2	201
3	284
4	151
5	223
6	375
7	197
8	280
9	322
10	284
11	337
12	163
13	223
14	151
15	178
16	227
17	114
18	208
19	163
20	185
21	174
22	106
23	295
24	144
25	178
26	246
27	129
28	212
29	140
30	170
31	212
Total:	6470

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.097	0.000	0.000
0.407	0.000	0.000
0.056	0.000	0.000
0.079	0.000	0.000
0.215	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		Karen Lay for Siltronic	8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024975

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
April-07 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
5	9.6	28.14	3.6	12.5	6.0	20.8	0.134	0.47	0.0005	0.0017	0.000	0.000	0.000	0.000
12	7.9	26.5	3.4	11.4	7.2	24.2	0.189	0.63	0.0005	0.0017	0.000	0.000	0.000	0.000
19	4.4	16.3	3.1	10.9	6.5	22.8	0.154	0.54	0.0005	0.0018	0.000	0.000	0.000	0.000
26	4.1	12.6	2.8	8.2	8.1	23.8	0.070	0.21	0.0005	0.0015	0.000	0.000	0.000	0.000
5	6.7	n/a							0.0005	n/a	0.000	0.000	0.000	0.000
19	4.8	n/a							0.0005	n/a				
26	4.5	n/a							0.0005	n/a				

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3710	1	1.5	1	8.2
2	3566	2	1.4	2	8.1
3	3547	3	1.9	3	8.3
4	3210	4	2.4	4	8.0
5	3471	5	2.7	5	8.1
6	3668	6	2.1	6	8.2
7	3445	7	1.8	7	8.2
8	3422	8	2.0	8	8.3
9	3411	9	1.8	9	8.3
10	3604	10	1.7	10	8.1
11	3475	11	1.9	11	8.1
12	3358	12	1.6	12	7.9
13	3365	13	1.5	13	8.1
14	3343	14	1.8	14	8.2
15	3468	15	1.8	15	8.2
16	3358	16	1.5	16	8.3
17	3172	17	1.5	17	8.2
18	3490	18	1.3	18	8.3
19	3513	19	1.4	19	8.2
20	3373	20	1.1	20	8.1
21	3411	21	1.2	21	8.4
22	3536	22	1.9	22	8.2
23	3490	23	1.4	23	8.0
24	3449	24	0.7	24	7.7
25	3362	25	0.8	25	7.9
26	2934	26	0.9	26	7.9
27	3381	27	1.0	27	7.9
28	3558	28	1.0	28	7.9
29	3161	29	0.9	29	7.9
30	3309	30	0.8	30	7.8
Total:	102559				

(002) DAILY FLOW'S	
Day	M^3
1	125
2	170
3	144
4	140
5	227
6	163
7	197
8	197
9	159
10	227
11	132
12	204
13	185
14	238
15	220
16	185
17	246
18	242
19	148
20	189
21	178
22	170
23	223
24	265
25	95
26	227
27	591
28	314
29	136
30	212
Total:	6152

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.084	0.000	0.000
0.094	0.000	0.000
0.122	0.000	0.000
0.067	0.000	0.000

For Bod & Total Cr samples: The calculation for the loading includes averaging both samples for the 5th, 19th and the 26th (qualifying alternate lab).

The 001 daily flow difference from original supplemental data submisssion is due to formula averaging 31 days instead of 30 days.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue			8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024976

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
May-07 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
3	2.0	14.30	2.4	8.2	5.6	19.2	0.116	0.40	0.0005	0.0284	0.000	0.000	0.000	0.000
10	6.3	18.1	1.9	6.0	6.0	19.0	0.272	0.86	0.0005	0.0015	0.000	0.000	0.000	0.000
18	8.9	32.0	2.1	7.5	6.8	24.4	0.095	0.34	0.0005	0.0018	0.000	0.000	0.000	0.000
24	2.0	6.7	1.9	6.3	5.2	17.3	0.091	0.30	0.0005	0.0017	0.000	0.000	0.000	0.000
30	2.0	6.7	1.4	4.7	7.4	24.9	0.197	0.66	0.0005	0.0017	0.000	0.000	0.000	0.000
3	6.3	n/a							0.016	n/a				
10	5.2	n/a							0.00045	n/a				

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3301	1	0.9	1	7.8
2	3252	2	1.1	2	8.5
3	3437	3	0.8	3	8.1
4	3456	4	0.9	4	8.1
5	3233	5	0.8	5	7.8
6	3354	6	0.8	6	7.8
7	3248	7	0.7	7	7.9
8	3899	8	0.8	8	7.8
9	3396	9	0.8	9	7.9
10	3165	10	0.8	10	7.8
11	3350	11	0.8	11	7.8
12	3422	12	0.8	12	7.7
13	3494	13	1.1	13	8.1
14	3403	14	0.9	14	7.8
15	3483	15	0.8	15	7.8
16	3373	16	1.1	16	7.8
17	3494	17	1.0	17	7.8
18	3589	18	0.6	18	7.8
19	3403	19	0.6	19	7.8
20	3562	20	0.7	20	8.2
21	3418	21	0.7	21	7.9
22	3638	22	0.7	22	7.6
23	3403	23	0.6	23	8.0
24	3328	24	0.7	24	7.7
25	3070	25	0.9	25	7.8
26	3540	26	0.9	26	8.2
27	3339	27	0.6	27	8.2
28	3415	28	0.5	28	8.3
29	3335	29	0.5	29	8.3
30	3369	30	0.6	30	7.9
31	3468	31	0.7	31	7.8
Total:	105637				

(002) DAILY FLOW'S	
Day	M^3
1	182
2	303
3	314
4	117
5	530
6	273
7	129
8	212
9	140
10	212
11	129
12	193
13	178
14	189
15	273
16	659
17	185
18	201
19	250
20	212
21	299
22	227
23	299
24	257
25	220
26	409
27	182
28	326
29	216
30	318
31	288
Total:	7920

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.098	0.000	0.000
0.302	0.000	0.000
0.151	0.000	0.000
0.186	0.000	0.000
0.137	0.000	0.000

For Bod & Total Cr samples: The calculation for the loading includes both samples for the 3rd and the 10th (qualifying alternate lab).

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue		8/28/07		503-243-2020
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450
7200 NW Front Avenue
Portland, Oregon 97210-3676

Permit Number: 101128
June-07 Discharge Data

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
7	4.3	15.57	1.9	6.6	6.4	22.4	0.176	0.62	0.0005	0.0026	0.000	0.000	0.000	0.000
14	6.5	19.6	1.9	6.3	8.9	29.3	0.156	0.51	0.0005	0.0025	0.000	0.000	0.000	0.000
21	4.5	12.9	48.5	192.8	4.9	19.5	0.083	0.33	0.0005	0.0039	0.000	0.000	0.000	0.000
28	2.9	10.6	2.4	8.6	5.8	20.9	0.157	0.57	0.0005	0.0018	0.000	0.000	0.000	0.000
7	4.6	n/a							0.00102	n/a				
14	5.4	n/a							0.00102	n/a				
21	2.0	n/a							0.00148	n/a				

(001) DAILY FLOW'S		(001) Turbidity Daily Avg		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3782	1	1.1	1	7.7
2	3456	2	1.2	2	7.8
3	3517	3	1.1	3	8.0
4	3422	4	0.9	4	8.1
5	3521	5	0.6	5	8.2
6	3396	6	0.6	6	8.2
7	3498	7	0.5	7	8.1
8	3331	8	0.7	8	7.9
9	3680	9	0.5	9	8.0
10	3445	10	0.5	10	8.1
11	3509	11	0.5	11	8.0
12	3509	12	0.8	12	7.9
13	3596	13	0.6	13	7.9
14	3290	14	0.6	14	8.0
15	3710	15	0.5	15	8.2
16	3471	16	0.5	16	8.0
17	3468	17	0.4	17	8.0
18	3460	18	0.5	18	8.1
19	3445	19	1.0	19	8.2
20	3191	20	1.2	20	8.3
21	3975	21	1.9	21	8.1
22	2938	22	0.7	22	8.0
23	3797	23	0.7	23	8.0
24	3430	24	1.0	24	8.1
25	3430	25	0.7	25	8.0
26	4051	26	0.7	26	8.2
27	3471	27	0.5	27	7.9
28	3600	28	0.7	28	8.0
29	3676	29	0.7	29	8.0
30	3244	30	0.6	30	8.1
Total:	105308				

(002) DAILY FLOW'S	
Day	M^3
1	238
2	424
3	303
4	473
5	174
6	314
7	341
8	189
9	337
10	386
11	371
12	413
13	388
14	242
15	295
16	333
17	382
18	466
19	291
20	439
21	337
22	314
23	397
24	409
25	326
26	326
27	314
28	522
29	647
30	420
Total:	10812

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.078	0.000	0.000
0.102	0.000	0.000
0.057	0.000	0.000
0.098	0.000	0.000

For Bod & Total Cr samples: The calculation for the loading includes averaging both samples for the 7th, 14th and the 21th (qualifying alternate lab).

The 001 daily flow difference from original supplemental data submisssion is due to formula averaging 31 days instead of 30 days.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue			8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024978

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 **Permit Number: 101128**
7200 NW Front Avenue **July-07 Discharge Data**
Portland, Oregon 97210-3676

Outfall # 001														
Date	BOD mg/L	BOD Loading kg/day	TSS mg/L	TSS Loading kg/day	Fluoride mg/L	Fluoride Loading kg/day	Phosphate mg/l	Phosphate Loading kg/day	Total Cr mg/L	Total Cr Loading kg/day	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
5	4.3	14.60	1.2	4.1	6.4	21.7	0.117	0.40	0.0005	0.0017	0.000	0.000	0.000	0.000
12	6.0	19.6	1.5	4.9	7.2	23.5	0.108	0.35	0.0005	0.0016	0.000	0.000	0.000	0.000
19	2.9	9.0	2.9	9.0	8.1	25.2	0.257	0.80	0.0005	0.0016	0.000	0.000	0.000	0.000
26	1.0	3.8	3.5	13.4	7.8	29.8	0.229	0.87	0.0005	0.0019	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		01) Turbidity Daily A		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3381	1	0.7	1	8.0
2	3248	2	0.6	2	7.8
3	3509	3	0.6	3	7.7
4	3407	4	0.5	4	7.6
5	3396	5	0.6	5	7.7
6	3362	6	0.6	6	7.6
7	3396	7	0.8	7	7.3
8	3558	8	0.7	8	7.1
9	3630	9	23.2	9	7.8
10	3195	10	1.4	10	7.4
11	3328	11	0.8	11	7.2
12	3263	12	0.6	12	7.4
13	3521	13	2.1	13	7.4
14	3373	14	1.0	14	7.5
15	3172	15	0.9	15	7.5
16	3206	16	0.6	16	7.3
17	3452	17	0.7	17	7.6
18	3312	18	0.5	18	8.0
19	3108	19	0.7	19	8.1
20	3297	20	0.7	20	7.7
21	3449	21	0.6	21	7.8
22	3577	22	0.7	22	7.7
23	3649	23	0.8	23	7.7
24	3702	24	1.3	24	8.1
25	3543	25	0.8	25	7.8
26	3820	26	0.6	26	7.4
27	4039	27	0.6	27	7.6
28	3687	28	0.5	28	7.1
29	3490	29	0.5	29	7.4
30	3233	30	0.5	30	7.5
31	2862	31	0.6	31	7.7
Total:	106167				

(002) DAILY FLOW'S	
Day	M^3
1	511
2	295
3	458
4	450
5	447
6	685
7	697
8	628
9	647
10	598
11	700
12	644
13	593
14	618
15	587
16	541
17	587
18	1022
19	572
20	500
21	413
22	674
23	564
24	439
25	613
26	534
27	765
28	333
29	780
30	541
31	575
Total:	18012

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.219	0.000	0.000
0.147	0.000	0.000
0.249	0.000	0.000
0.213	0.000	0.000

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)		DATE	Telephone
Tom McCue			8/28/07	503-243-2020
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

SCOEPA00024979

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)
NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2007	7	1	TO	2007	7	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (45-53) AVERAGE	MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Process Waste Water Flow	SAMPLE MEASUREMENT	3,425	4,039	m^3/day	--	--	--	--		Continuous totalizing recorder	
	PERMIT REQUIREMENT	--	--		--	--	--				
BOD	SAMPLE MEASUREMENT	11.8	19.6	kg/day	--	3.6	6.0	mg/L		1/7	24HC
	PERMIT REQUIREMENT	154	342		--	15	30				
TSS	SAMPLE MEASUREMENT	7.8	13.4	kg/day	--	2.3	3.5	mg/L		1/7	24HC
	PERMIT REQUIREMENT	236	695		--	23	61				
Cr^{+6} (1)	SAMPLE MEASUREMENT			kg/day	--			mg/L			
	PERMIT REQUIREMENT	0.05	0.12		--	0.02	0.05				
Cr^{Total}	SAMPLE MEASUREMENT	<0.004	<0.004	kg/day	--	<0.001	<0.001	mg/L		1/7	24HC
	PERMIT REQUIREMENT	0.2	0.6		--	0.3	1.0				
Fluoride	SAMPLE MEASUREMENT	25.0	29.8	kg/day	--	7.4	8.1	mg/L		1/7	24HC
	PERMIT REQUIREMENT	178	365		--	17.4	32				
Total Phosphate	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.3	mg/L		1/7	24HC
	PERMIT REQUIREMENT	--	--		--	10	15				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years)

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 07 MO 8 DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

(1) Chrome batches are no longer being treated on site. pH outages: 2 on 7/5/07: 1st: 39 mins @ pH 11.3, 2nd: 15 mins @ pH 10.79.

KL: 044

SCOEPA00024980

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: Siltronic Corporation Site ID 93450

ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676

FACILITY

LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16)	(17-19)
101128	Outfall 001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR	MO	DAY	TO YEAR	MO	DAY
2007	7	1	2007	7	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TTO	SAMPLE MEASUREMENT	--	--	kg/day	--	--	<0.02	mg/L		1/ 30	Grab
	PERMIT REQUIREMENT	--	--		--	--	1.37				
Turbidity	SAMPLE MEASUREMENT					1.5	83.3	NTC		6/1	Grab
	PERMIT REQUIREMENT									*One sample every 4 hours	
pH excursions > 60 minutes	SAMPLE MEASUREMENT								0	monthly	
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 (Penalties under these statutes may include fines up to $10,000 and/or imprisonment of between 6 months and 5 years).

Siltronic Corp. by:

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 07 | MO 8 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024981

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME: Siltronic Corporation Site ID 93450
ADDRESS: 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101128	Outfall 002

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	2007	7	1	TO	2007	7	31

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
MV-3 Flow	SAMPLE MEASUREMENT	581	1,022	m^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
MV-3 Total phosphates	SAMPLE MEASUREMENT	--	--	--	--	0.2	0.2	mg/L		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	10	15				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC § 1001 AND 33 USC § 1319 [illegible]

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 | NUMBER 243-2020

DATE: YEAR 07 | MO 8 | DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024982

NAME Siltronic Corporation Site ID 93450
ADDRESS 7200 NW Front Ave.
Portland, OR 97210-3676
FACILITY
LOCATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: 101128
(17-19) DISCHARGE NUMBER: Outfall 003

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD
FROM YEAR 2007 MO 7 DAY 1 (20-21) (22-23) (24-25)
TO YEAR 2007 MO 7 DAY 31 (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (46-53) MINIMUM	QUALITY OR CONCENTRATION (54-61) AVERAGE	QUALITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Outfall flow	SAMPLE MEASUREMENT	4,006	4,804	m^3/day	--	--	--	--		Continuous	
	PERMIT REQUIREMENT	--	--		--	--	--				
Outfall temperature	SAMPLE MEASUREMENT	--	--	--	--	--	80.1	°F		1/ 7	Grab
	PERMIT REQUIREMENT	--	--		--	--	85				
Outfall pH	SAMPLE MEASUREMENT	--	--	--	6.17	7.13	11.30			Continuous	
	PERMIT REQUIREMENT	--	--		6.0	--	9.0				
pH excursions > 60 minutes	SAMPLE MEASUREMENT								0	Daily	average
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom McCue
Environmental Manager
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 USC 1001 AND 33 USC 1319 (Penalties under these statutes may include fines up to $10,000 and up to maximum imprisonment of between 6 months and 5 years).

Siltronic Corp. by:
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503 NUMBER 243-2020

DATE: YEAR 07 MO 8 DAY 7

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SCOEPA00024983

SUPPLEMENTAL DATA

Siltronic Corporation Site ID 93450 **Permit Number: 101128**
7200 NW Front Avenue **July-07 Discharge Data**
Portland, Oregon 97210-3676

Outfal # 001												
Date	BOD mg/L	BOD Weekly Loading kg	TSS mg/L	TSS Weekly Loading kg	Fluoride mg/L	Fluoride Weekly Loading kg	Total Cr mg/L	Total Cr Weekly Loading kg	Cr^{+6} mg/L Daily Avg.	Cr^{+6} mg/L Monthly Avg.	Cr^{+6} Loading Monthly Avg. kg	Cr^{+6} Loading Daily Max kg
5	4.3	14.60	1.2	4.1	6.4	21.7	0.0005	0.0017	0.000	0.000	0.000	0.000
12	6.0	19.6	1.5	4.9	7.2	23.5	0.0005	0.0016	0.000	0.000	0.000	0.000
19	2.9	9.0	2.9	9.0	8.1	25.2	0.0005	0.0016	0.000	0.000	0.000	0.000
26	1.0	3.8	3.5	13.4	7.8	29.8	0.0005	0.0019	0.000	0.000	0.000	0.000

(001) DAILY FLOW'S		01) Turbidity Daily A		(001) pH Daily Avg	
Day	M^3	Day	NTU's	Day	pH
1	3381	1	0.7	1	8.0
2	3248	2	0.6	2	7.8
3	3509	3	0.6	3	7.7
4	3407	4	0.5	4	7.6
5	3396	5	0.6	5	7.7
6	3362	6	0.6	6	7.6
7	3396	7	0.8	7	7.3
8	3558	8	0.7	8	7.1
9	3630	9	23.2	9	7.8
10	3195	10	1.4	10	7.4
11	3328	11	0.8	11	7.2
12	3263	12	0.6	12	7.4
13	3521	13	2.1	13	7.4
14	3373	14	1.0	14	7.5
15	3172	15	0.9	15	7.5
16	3206	16	0.6	16	7.3
17	3452	17	0.7	17	7.6
18	3312	18	0.5	18	8.0
19	3108	19	0.7	19	8.1
20	3297	20	0.7	20	7.7
21	3449	21	0.6	21	7.8
22	3577	22	0.7	22	7.7
23	3649	23	0.8	23	7.7
24	3702	24	1.3	24	8.1
25	3543	25	0.8	25	7.8
26	3820	26	0.6	26	7.4
27	4039	27	0.6	27	7.6
28	3687	28	0.5	28	7.1
29	3490	29	0.5	29	7.4
30	3233	30	0.5	30	7.5
31	2862	31	0.6	31	7.7
Total:	106167				

(002) DAILY FLOW'S	
Day	M^3
1	511
2	295
3	458
4	450
5	447
6	685
7	697
8	628
9	647
10	598
11	700
12	644
13	593
14	618
15	587
16	541
17	587
18	1022
19	572
20	500
21	413
22	674
23	564
24	439
25	613
26	534
27	765
28	333
29	780
30	541
31	575
Total:	18012

Outfall # 002	Outfall # 003	
Phosphate mg/L	Cl_2 Free Available Daily Max mg/L	Cl_2 Free Available Monthly Avg. mg/L
0.219	0.000	0.000
0.147	0.000	0.000
0.249	0.000	0.000
0.213	0.000	0.000